

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
December 1995

Pete Wilson
Governor
State of California

Douglas P. Wheeler
Secretary for Resources
The Resources Agency

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State of California
Resources Agency

**Department of Water Resources
Division of Operations and Maintenance**

**State Water Project
Operations Data**
for the Month of December 1995

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that have an impact on State Water Project operations during the month of December 1995.

Salmon spawning and migration studies required increased flows (1,600 cfs) in the "low-flow section" of the Feather River (between the Diversion Dam and the Thermalito Afterbay river outlet) to continue through December. The Environmental Services Office initiated the study to support FERC relicensing and reviewed by the Department of Fish and Game. The study is scheduled to continue through January 15, 1996.

An emergency generator supplied power to the Delta O&M Center for 12 days during repairs caused by a fire. The fire resulted from a transformer explosion during routine switching to energize the Delta Switchyard. PG&E reconnected incoming lines to the switchyard on December 18, 1995.

On December 1, DWR approved 2.23 MAF of entitlement water for delivery in 1996 to long-term SWP contractors. In making this allocation DWR considered existing storage in SWP conservation reservoirs, a conservative projection of hydrology and runoff for the remainder of the water year, SWP operational constraints, and 1996 contractor requests of 2.68 MAF. SWP supplies are projected to meet at least 75 percent of each contractor's requested amount. SWP water deliveries for 1995 through December 31, were about 3.29 MAF representing a combination of project, transfer, and exchange water. This was about 337,000 AF more than that delivered during the same period in 1994. "Excess water conditions" in the Delta continued through all of 1995, which allowed unusual flexibility in project operations. This was the longest period of excess conditions (as defined in the Coordinated Operation Agreement) since the 1982-1983 water year.

In the second week of December, the most powerful Pacific storm in over a decade brought strong southerly winds and much rain to northern California. Initially, the storm was relatively warm with rain at higher elevations. In its later phase, snow levels lowered and the mountain snowpack increased from nearly zero to about half the seasonal normal. December precipitation in the Northern Sierra was about 135 percent of average for the month.

The aforementioned storm boosted runoff during December to about two-thirds of average. Storage increased and many big northern California reservoirs were near flood control limits. Total storage in major State Water Project reservoirs was about 4.34 MAF on December 31, about 1.38 MAF more than the storage at this time in 1994. Releases at Lake Del Valle dropped storage levels by nearly 1,600 AF to complete its annual fall drawdown. The State's share of San Luis Reservoir storage was about 896,000 AF compared with 694,000 AF at this time last year. The combined storage of our southern reservoirs was about 598,000 AF on December 31 compared with 494,000 AF at this time last year. Storage in the southern reservoirs was affected by construction of the new San Bernardino Tunnel intake structure at Lake Silverwood. This work (which will last 17 more months) required reduced storage in Lake Silverwood to about 39,000 AF with a further decrease to about 10,000 AF in late 1996. The December 31 storage at Lake Oroville was about 2.70 MAF compared to 1.67 MAF at this time last year.

Repairs to Pool 7 at mile 39.56 of the California Aqueduct were completed on December 28. Pool 7 began filling on the 29th and will begin full operation about January 2, 1996.

Turbidity testing was conducted on the weekend of December 16 and 17 in the San Luis and San Joaquin field divisions. The flow at Dos Amigos was elevated to 10,000 cfs for several hours for this test.

TABLE 1: ANTELOPE LAKE
DAILY OPERATION

Capacity: 22,566 ac-ft

(in acre-feet except as noted)

December 1995

DATE	LAKE STORAGE			OUTFLOW IN CFS							INFLOW
	WATER SURFACE ELEVATION (in feet)	STORAGE	STORAGE CHANGE	REGULATED RELEASE				SPILL	ESTIMATED	TOTAL	COMPUTED
				STREAM-FLOW MAINT.	WATER SUPPLY CONTRACT	WATER RIGHT	TOTAL REGULATED RELEASE		EVAPORATION AND SEEPAGE 1/	OUTFLOW 1/	
Nov 30	4998.09	19,090									
1	4998.10	19,090	0	20	0	0	20	0			
2	4998.08	19,081	-9	20	0	0	20	0			
3	4998.06	19,065	-16	20	0	0	20	0			
4	4998.05	19,056	-9	20	0	0	20	0			
5	4998.05	19,056	0	20	0	0	20	0			
6	4998.05	19,056	0	20	0	0	20	0			
7	4998.05	19,056	0	20	0	0	20	0			
8	4997.99	19,056	0	20	0	0	20	0			
9	4997.97	18,989	-67	20	0	0	20	0			
10	4997.98	18,997	8	20	0	0	20	0			
11	4998.08	19,081	84	20	0	0	20	0			
12	4998.74	19,644	563	20	0	0	20	0			
13	4998.88	19,765	121	20	0	0	20	0			
14	4998.93	19,808	43	20	0	0	20	0			
15	4998.99	19,860	52	20	0	0	20	0			
16	4998.98	19,851	-9	20	0	0	20	0			
17	4998.99	19,860	9	20	0	0	20	0			
18	4998.99	19,860	0	20	0	0	20	0			
19	4998.95	19,825	-35	20	0	0	20	0			
20	4998.95	19,825	0	20	0	0	20	0			
21	4998.98	19,851	26	20	0	0	20	0			
22	4998.95	19,825	-26	20	0	0	20	0			
23	4998.94	19,816	-9	20	0	0	20	0			
24	4998.88	19,765	-51	20	0	0	20	0			
25	4998.89	19,773	8	20	0	0	20	0			
26	4998.89	19,773	0	20	0	0	20	0			
27	4998.88	19,765	-8	20	0	0	20	0			
28	4998.87	19,756	-9	22	0	0	22	0			
29	4998.86	19,747	-9	23	0	0	23	0			
30	4998.89	19,773	26	23	0	0	23	0			
31	4998.94	19,816	43	23	0	0	23	0			
TOTAL CFS-DAYS			---	631	0	0	631	0	47	679	1,045
TOTAL AC-FT.			726	1,252	0	0	1,252	0	94	1,346	2,072

1/ Values not available on a daily basis.

TABLE 2: FRENCHMAN LAKE

DAILY OPERATION

Capacity: 55,477 ac-ft

(in acre-feet except as noted)

December 1995

DATE	LAKE STORAGE			OUTFLOW IN CFS							INFLOW
	WATER SURFACE ELEVATION (in feet)	STORAGE	STORAGE CHANGE	REGULATED RELEASE				SPILL	ESTIMATED	TOTAL	COMPUTED
				STREAM-FLOW MAINT.	WATER SUPPLY CONTRACT	WATER RIGHT	TOTAL REGULATED RELEASE		EVAPORATION AND SEEPAGE 1/	OUTFLOW 1/	
Nov 30	5581.05	45,163									
1	5581.06	45,177	14	2	0	0	2	0			
2	5581.06	45,177	0	2	0	0	2	0			
3	5581.06	45,177	0	2	0	0	2	0			
4	5581.05	45,163	-14	2	0	0	2	0			
5	5581.06	45,177	14	2	0	0	2	0			
6	5581.06	45,177	0	2	0	0	2	0			
7	5581.07	45,191	14	2	0	0	2	0			
8	5581.08	45,205	14	2	0	0	2	0			
9	5581.08	45,205	0	2	0	0	2	0			
10	5581.07	45,191	-14	2	0	0	2	0			
11	5581.19	45,359	168	2	0	0	2	0			
12	5581.45	45,722	363	2	0	0	2	0			
13	5581.51	45,806	84	2	0	0	2	0			
14	5581.53	45,835	29	2	0	0	2	0			
15	5581.60	45,933	98	2	0	0	2	0			
16	5581.60	45,933	0	2	0	0	2	0			
17	5581.62	45,961	28	2	0	0	2	0			
18	5581.62	45,961	0	2	0	0	2	0			
19	5581.62	45,961	0	2	0	0	2	0			
20	5581.62	45,961	0	2	0	0	2	0			
21	5581.62	45,961	0	2	0	0	2	0			
22	5581.62	45,961	0	2	0	0	2	0			
23	5581.63	45,975	14	2	0	0	2	0			
24	5581.63	45,975	0	2	0	0	2	0			
25	5581.63	45,975	0	2	0	0	2	0			
26	5581.63	45,975	0	2	0	0	2	0			
27	5581.64	45,989	14	2	0	0	2	0			
28	5581.65	46,003	14	2	0	0	2	0			
29	5581.66	46,017	14	2	0	0	2	0			
30	5581.69	46,060	43	2	0	0	2	0			
31	5581.71	46,088	28	2	0	0	2	0			
TOTAL CFS-DAYS			---	62	0	0	62	0	78	140	606
TOTAL AC-FT.			925	123	0	0	123	0	154	277	1,202

1/ Values not available on a daily basis.

TABLE 3: LAKE DAVIS

DAILY OPERATION

Capacity: 84,371 ac-ft

(in acre-feet except as noted)

December 1995

DATE	LAKE STORAGE			OUTFLOW IN CFS							INFLOW
	WATER SURFACE ELEVATION (in feet)	STORAGE	STORAGE CHANGE	REGULATED RELEASE				SPILL	ESTIMATED EVAPORATION AND SEEPAGE 1/	TOTAL OUTFLOW 1/	COMPUTED 1/
				STREAM-FLOW MAINT.	WATER SUPPLY CONTRACT 1/	WATER RIGHT	TOTAL REGULATED RELEASE 1/				
Nov 30	5771.46	70,764									
1	5771.45	70,727	-37	20		0		0			
2	5771.42	70,618	-109	20		0		0			
3	5771.44	70,691	73	20		0		0			
4	5771.42	70,618	-73	20		0		0			
5	5771.44	70,691	73	20		0		0			
6	5771.44	70,691	0	20		0		0			
7	5771.45	70,727	36	20		0		0			
8	5771.43	70,654	-73	20		0		0			
9	5771.41	70,581	-73	20		0		0			
10	5771.40	70,544	-37	20		0		0			
11	5771.39	70,508	-36	20		0		0			
12	5771.52	70,984	476	20		0		0			
13	5771.81	72,053	1,069	20		0		0			
14	5771.84	72,164	111	20		0		0			
15	5771.80	72,016	-148	20		0		0			
16	5771.90	72,387	371	20		0		0			
17	5771.88	72,312	-75	20		0		0			
18	5771.86	72,238	-74	20		0		0			
19	5771.86	72,238	0	20		0		0			
20	5771.85	72,201	-37	20		0		0			
21	5771.85	72,201	0	20		0		0			
22	5771.82	72,090	-111	20		0		0			
23	5771.83	72,127	37	20		0		0			
24	5771.83	72,127	0	20		0		0			
25	5771.81	72,053	-74	20		0		0			
26	5771.80	72,016	-37	20		0		0			
27	5771.79	71,979	-37	20		0		0			
28	5771.79	71,979	0	20		0		0			
29	5771.81	72,053	74	20		0		0			
30	5771.83	72,127	74	20		0		0			
31	5771.86	72,238	111	20		0		0			
TOTAL CFS-DAYS			---	620	1	0	621	0	204	825	1,568
TOTAL AC-FT.			1,474	1,230	1	0	1,231	0	405	1,636	3,110

1/ Values not available on a daily basis.

TABLE 4: LAKE OROVILLE

DAILY OPERATION

Capacity: 3,537, 580 ac-ft

(in acre-feet except as noted)

December 1995

DATE	WATER SURFACE ELEV. (in feet)	STORAGE	STORAGE CHANGE	OUTFLOW					INFLOW		
				HYATT GENERATION 1/	PALERMO CANAL	SPILLWAY LEAKAGE 2/	EVAP-ORATION 3/	SPILL	TOTAL OUTFLOW	HYATT PUMPBACK	CALCULATED INFLOW 4/
Nov 30	847.56	2,775,753									
1	847.57	2,775,886	133	6,334	12	44	55	0	6,445	1,292	5,286
2	847.72	2,777,882	1,996	3,166	12	44	9	0	3,231	1,448	3,779
3	847.99	2,781,478	3,596	2,983	12	44	28	0	3,067	1,995	4,668
4	848.00	2,781,611	133	5,203	12	44	0	0	5,259	0	5,392
5	847.81	2,779,081	-2,530	6,825	12	44	0	0	6,881	0	4,351
6	847.59	2,776,152	-2,929	6,806	12	44	37	0	6,899	0	3,970
7	847.41	2,773,758	-2,394	6,890	12	44	9	0	6,955	0	4,561
8	847.26	2,771,764	-1,994	7,575	12	43	37	0	7,667	0	5,673
9	847.00	2,768,310	-3,454	8,017	12	43	9	0	8,081	0	4,627
10	846.71	2,764,461	-3,849	9,157	12	43	18	0	9,230	0	5,381
11	846.85	2,766,319	1,858	9,470	8	47	18	0	9,543	0	11,401
12	850.47	2,814,657	48,338	18,511	2	47	0	0	18,560	0	66,898
13	850.37	2,813,314	-1,343	23,219	0	47	65	0	23,331	0	21,988
14	849.83	2,806,068	-7,246	20,234	4	47	28	0	20,313	0	13,067
15	849.81	2,805,800	-268	20,762	5	47	56	0	20,870	0	20,602
16	849.86	2,806,470	670	12,710	5	47	0	0	12,762	0	13,432
17	849.54	2,802,182	-4,288	15,373	6	47	37	0	15,463	0	11,175
18	848.60	2,789,613	-12,569	21,497	6	45	46	0	21,594	0	9,025
19	847.37	2,773,226	-16,387	22,780	10	44	64	0	22,898	0	6,511
20	846.10	2,756,377	-16,849	22,992	14	42	46	0	23,094	0	6,245
21	845.06	2,742,633	-13,744	20,421	15	40	0	0	20,476	0	6,732
22	843.95	2,728,017	-14,616	19,944	15	40	9	0	20,008	0	5,392
23	843.51	2,722,239	-5,778	11,171	15	39	0	0	11,225	0	5,447
24	843.45	2,721,451	-788	6,682	15	39	45	0	6,781	0	5,993
25	843.46	2,721,583	132	5,379	15	38	63	0	5,495	0	5,627
26	842.64	2,710,838	-10,745	15,677	15	37	36	0	15,765	0	5,020
27	841.91	2,701,298	-9,540	15,675	5	36	54	0	15,770	0	6,230
28	841.32	2,693,604	-7,694	13,932	0	35	9	0	13,976	0	6,282
29	840.88	2,687,877	-5,727	14,753	8	34	0	0	14,795	0	9,068
30	841.36	2,694,125	6,248	5,192	9	35	45	0	5,281	0	11,529
31	841.97	2,702,081	7,956	3,172	9	36	0	0	3,217	1,734	9,439
TOTALS			-73,672	382,502	301	1,306	823	0	384,932	6,469	304,791

1/ Includes bypass flows

2/ Only occurs when Lake water elevation is greater than or equal to 813.00 and there is no spill.

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**TABLE 5: THERMALITO FOREBAY
INCLUDING DIVERSION POOL AND POWER CANAL**

DAILY OPERATION

Capacity: 25,120 ac-ft

(in acre-feet except as noted)

December 1995

DATE	STORAGE	STORAGE CHANGE	INFLOW			OUTFLOW					LOSSES (-) AND GAINS (+)
			LAKE OROVILLE RELEASES	KELLY RIDGE GENERATION	THERMALITO PUMPBACK	THERMALITO GENERATION	BUTTE COUNTY	THERMALITO IRRIGATION DISTRICT	RELEASES TO RIVER	HYATT PUMPBACK	
	1/		2/			3/			4/		
Nov 30	24,073										
1	24,049	-24	6,378	495	1,765	4,436	3	3	3,127	1,292	199
2	24,312	263	3,210	501	1,346	400	3	3	3,147	1,448	207
3	22,997	-1,315	3,027	281	2,716	2,301	3	3	3,147	1,995	110
4	21,676	-1,321	5,247	50	0	3,795	3	3	3,138	0	321
5	22,070	394	6,869	157	0	3,704	4	3	3,158	0	237
6	21,279	-791	6,850	175	0	4,896	4	3	3,158	0	245
7	22,463	1,184	6,934	133	0	2,971	4	3	3,120	0	215
8	23,559	1,096	7,618	329	0	4,068	4	3	3,162	0	386
9	24,436	877	8,060	503	0	4,649	4	3	3,184	0	154
10	24,551	115	9,200	501	0	6,747	4	3	3,147	0	315
11	24,186	-365	9,517	503	0	7,682	4	3	3,147	0	451
12	23,757	-429	18,558	517	0	16,877	4	3	3,147	0	527
13	23,302	-455	23,266	337	0	21,610	4	3	3,127	0	686
14	24,300	998	20,281	343	0	16,792	4	3	3,147	0	320
15	24,807	507	20,809	280	0	18,020	4	3	3,147	0	592
16	24,443	-364	12,757	464	0	10,795	4	3	3,147	0	364
17	24,666	223	15,420	296	0	12,753	4	3	3,146	0	413
18	24,211	-455	21,542	270	0	19,271	4	3	3,126	0	137
19	24,017	-194	22,824	30	0	20,292	4	4	3,126	0	378
20	23,247	-770	23,034	103	0	21,339	4	4	3,126	0	566
21	22,716	-531	20,461	421	0	19,220	4	4	3,124	0	940
22	22,627	-89	19,984	468	0	18,219	4	4	3,122	0	808
23	23,737	1,110	11,210	484	0	8,104	4	4	3,144	0	672
24	23,410	-327	6,721	507	0	4,939	4	4	3,142	0	534
25	24,548	1,138	5,417	504	0	1,789	4	4	3,146	0	160
26	23,986	-562	15,714	507	0	14,357	4	4	3,146	0	728
27	24,425	439	15,711	507	0	12,896	4	4	3,144	0	269
28	22,620	-1,805	13,967	502	0	13,419	4	4	3,144	0	297
29	23,705	1,085	14,787	508	0	11,667	4	4	3,164	0	629
30	23,659	-46	5,227	508	0	3,150	4	4	3,144	0	521
31	24,031	372	3,208	506	2,219	915	4	4	3,142	1,734	238
TOTALS		-42	383,808	11,690	8,046	312,073	120	106	97,436	6,469	12,618

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, spill, and spillway leakage.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

TABLE 6: THERMALITO AFTERBAY
DAILY OPERATION

Capacity: 57,040 ac-ft

(in acre-feet except as noted)

December 1995

DATE	ELEV.	STORAGE	STORAGE CHANGE	INFLOW	OUTFLOW						LOSSES (-) AND GAINS (+)	TOTAL RELEASES TO RIVER
				THERMALITO GENERATION 1/	SUTTER BUTTE CANAL	WESTERN CANAL LATERAL	RICHVALE CANAL	WESTERN CANAL	RIVER OUTLET	THERMALITO PUMPBACK		
Nov 30	127.00	22,918										
1	126.65	21,938	-980	4,436	949	9	521	751	1,578	1,765	157	4,705
2	124.70	16,836	-5,102	400	931	11	521	790	1,566	1,346	-337	4,713
3	122.98	12,850	-3,986	2,301	929	10	521	788	1,574	2,716	251	4,721
4	122.91	12,698	-152	3,795	926	9	530	790	1,580	0	-112	4,718
5	122.87	12,611	-87	3,704	1,012	4	512	739	1,568	0	44	4,726
6	123.37	13,712	1,101	4,896	1,041	2	498	667	1,564	0	-23	4,722
7	123.07	13,046	-666	2,971	1,033	2	496	642	1,572	0	108	4,692
8	123.21	13,355	309	4,068	1,055	2	500	614	1,580	0	-8	4,742
9	123.61	14,254	899	4,649	1,059	2	500	592	1,575	0	-22	4,759
10	124.93	17,406	3,152	6,747	1,057	2	498	563	1,571	0	96	4,718
11	126.91	22,664	5,258	7,682	1,010	1	498	371	1,575	0	1,031	4,722
12	129.51	30,542	7,878	16,877	940	1	333	79	7,379	0	-267	10,526
13	130.26	33,021	2,479	21,610	756	0	232	0	16,780	0	-1,363	19,907
14	129.81	31,523	-1,498	16,792	688	0	230	0	16,800	0	-572	19,947
15	129.55	30,672	-851	18,020	688	0	230	0	16,780	0	-1,173	19,927
16	126.91	22,664	-8,008	10,795	686	0	232	0	16,780	0	-1,105	19,927
17	124.69	16,812	-5,852	12,753	688	0	232	0	16,741	0	-944	19,887
18	125.10	17,833	1,021	19,271	710	0	230	105	16,205	0	-1,000	19,331
19	126.55	21,662	3,829	20,292	718	0	264	182	14,261	0	-1,038	17,387
20	128.88	28,531	6,869	21,339	720	0	282	196	12,278	0	-994	15,404
21	130.86	35,069	6,538	19,220	722	1	280	196	10,255	0	-1,228	13,379
22	132.88	42,387	7,318	18,219	720	2	280	196	8,807	0	-896	11,929
23	132.13	39,595	-2,792	8,104	680	2	278	194	8,807	0	-935	11,951
24	130.58	34,106	-5,489	4,939	668	2	278	194	8,767	0	-519	11,909
25	127.94	25,651	-8,455	1,789	666	2	278	194	8,767	0	-337	11,913
26	129.00	28,909	3,258	14,357	670	2	276	194	8,271	0	-1,686	11,417
27	130.84	35,000	6,091	12,896	668	2	278	196	6,248	0	587	9,392
28	132.95	42,652	7,652	13,419	716	2	278	196	4,284	0	-291	7,428
29	134.83	50,045	7,393	11,667	740	1	278	165	3,293	0	203	6,457
30	134.64	49,275	-770	3,150	738	0	278	143	2,797	0	36	5,941
31	133.30	43,989	-5,286	915	736	0	278	143	2,797	2,219	-28	5,939
TOTALS			21,071	312,073	25,320	71	10,920	9,880	224,400	8,046	-12,365	321,836

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

TABLE 7: OROVILLE THERMALITO COMPLEX

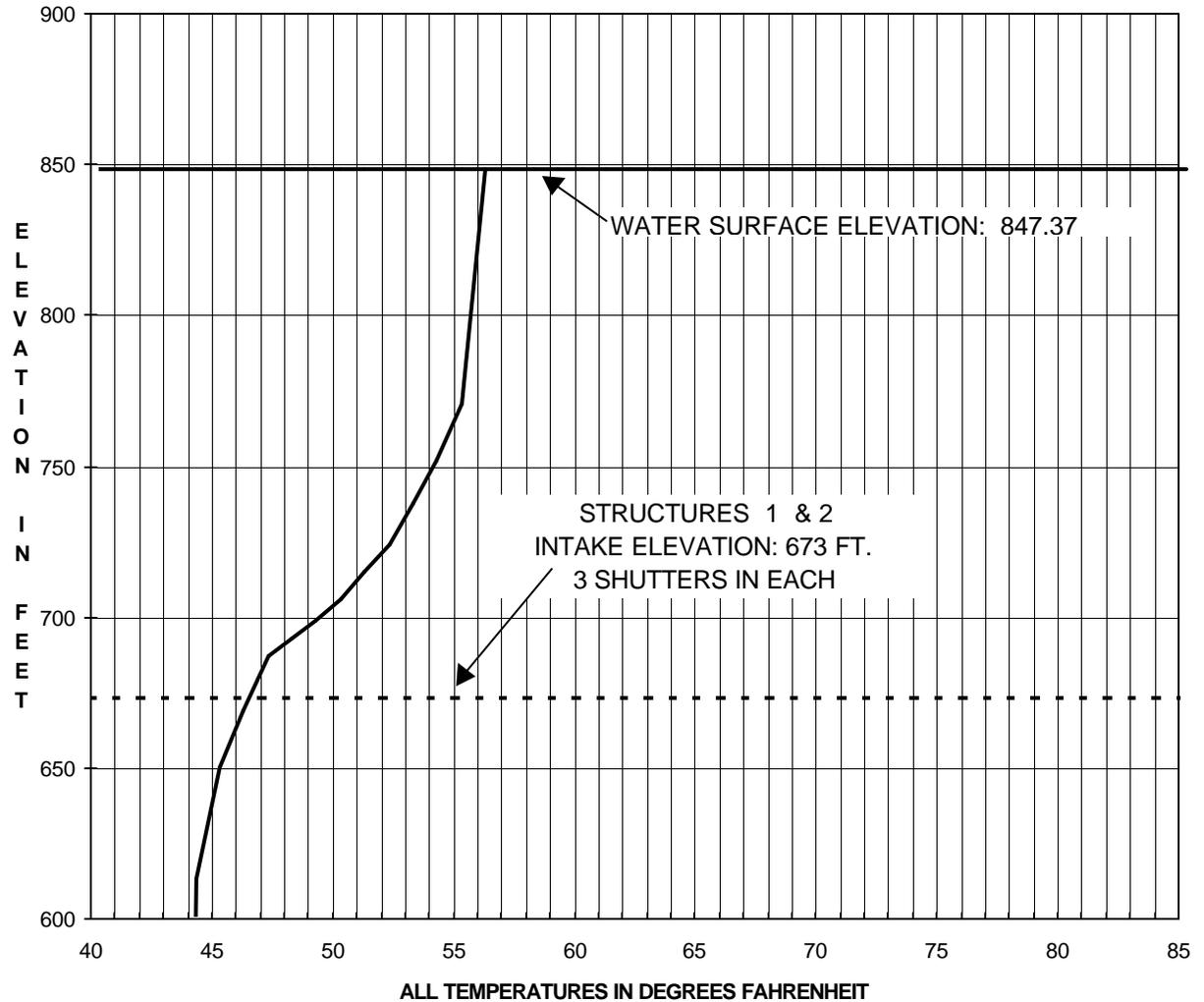
WATER TEMPERATURE DATA

December 1995

DATE	MEAN DAILY TEMP.	
	AFTERBAY OUTLET	FISH HATCHERY
1	52	51
2	53	51
3	52	51
4	52	51
5	53	51
6	54	51
7	54	51
8	54	51
9	53	51
10	52	51
11	52	51
12	52	51
13	51	53
14	51	52
15	50	51
16	50	50
17	48	50
18	48	50
19	48	50
20	48	50
21	47	50
22	47	50
23	47	50
24	47	50
25	47	49
26	47	50
27	47	50
28	48	50
29	48	50
30	48	50
31	49	51

LAKE OROVILLE TEMPERATURE PROFILE

on December 19, 1995



**TABLE 8: AQUEDUCT OPERATION
DELTA FIELD DIVISION**

(in acre-feet except as noted)

December 1995

NORTH BAY AQUEDUCT

Pumped at Barker Slough	<u>1,763</u>
Travis Turnout	<u>152</u>
Fairfield/Vacaville Turnout	<u>0</u>
Pumped at Cordelia	<u>1,557</u>
Cordelia Spillway	<u> </u>
Computed Losses (-) or Gains (+)	<u>-54</u>
Benicia Turnout	<u>881</u>
Vallejo Turnout	<u>569</u>
American Canyon 1	<u>107</u>
American Canyon 2	<u>0</u>
Napa Treatment Plant	<u>0</u>
Total Deliveries (After Cordelia)	<u>1,557</u>
Change in Storage at Napa Terminal Tank	<u>0</u>

CALIFORNIA AQUEDUCT

Amount Pumped at Banks Pumping Plant	<u>2,635</u>
Amount Pumped at South Bay Pumping Plant	<u>1,427</u>
Deliveries From California Aqueduct (Oak Flat Water District, Tracy Golf, Veterans Cemetery, and Musco Olive)	<u>55</u>
Inflow into California Aqueduct	<u>0</u>
Change in Storage	<u>151</u>
Flow Past Check 12	<u>0</u>
Computed Losses (-) or Gains (+)	<u>-1,002</u>

Note: Individual pool elevation and storage changes for pools 1-12 are available at Project Operations Center.

TABLE 9: DELTA FIELD DIVISION PLANT DATA

(in acre-feet)

December 1995

DATE	NORTH BAY AQUEDUCT		CALIFORNIA AQUEDUCT		SOUTH BAY AQUEDUCT	
	BARKER SLOUGH	CORDELIA	BANKS		SOUTH BAY	DEL VALLE INTO LAKE
			TOTAL	SWP		
1	35	29	0	0	161	0
2	35	29	434	434	104	0
3	50	39	634	634	31	0
4	61	52	0	0	0	0
5	74	67	0	0	0	0
6	59	49	0	0	0	0
7	55	46	0	0	0	0
8	52	45	0	0	52	0
9	74	63	0	0	33	0
10	58	54	0	0	0	0
11	55	49	0	0	0	0
12	56	48	0	0	0	0
13	62	58	0	0	0	0
14	57	49	0	0	0	0
15	46	45	0	0	0	0
16	53	44	0	0	0	0
17	45	44	0	0	0	0
18	67	57	0	0	16	0
19	66	59	0	0	20	0
20	55	51	0	0	7	0
21	62	52	0	0	14	0
22	61	55	0	0	49	0
23	56	49	0	0	70	0
24	68	59	0	0	112	0
25	56	49	0	0	89	0
26	59	49	0	0	110	0
27	66	58	0	0	112	0
28	56	49	0	0	113	0
29	56	66	701	701	116	0
30	54	48	370	370	104	0
31	54	46	496	496	114	0
TOTAL	1,763	1,557	2,635	2,635	1,427	0

TABLE 10: CLIFTON COURT FOREBAY
DAILY OPERATION OF GATES

December 1995

Date	Time Opened	Time Closed	Daily Amount of inflow in Acre-Feet	Date	Time Opened	Time Closed	Daily Amount of inflow in Acre-Feet
1	---	---	0	17	---	---	0
2	---	---	0	18	---	---	0
3	---	---	0	19	---	---	0
4	---	---	0	20	---	---	0
5	---	---	0	21	---	---	0
6	---	---	0	22	---	---	0
7	---	---	0	23	---	---	0
8	---	---	0	24	---	---	0
9	---	---	0	25	---	---	0
10	---	---	0	26	---	---	0
11	---	---	0	27	---	---	0
12	---	---	0	28	---	---	0
13	---	---	0	29	---	---	0
14	---	---	0	30	15:14	19:42	2,390
15	---	---	0	31	00:01 14:56	05:30 17:55	4,570
Total inflow for the month: 6,960 AF							

TABLE 11: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT

DELTA FIELD DIVISION, MONTHLY DELIVERIES

December 1995

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries				
	Beginning and Ending					Entitle-ment	USBR	Misc.	Loan Water	1994 Carryover Ent.
	No.	Structure	Mile							
1		Delta PP Outlet	3.32		2,635					
2A	1			South Bay Aqueduct	1,427					
		Check No. 1	5.95							
	2									
		Check No. 2	12.01							
	3			Musco Olive	14		14			
		Check No. 3	18.29							
	4			Tracy Golf & Country Club	0					
		Check No. 4	23.99							
	5									
		Check No. 5	29.73							
	6									
		Check No. 6	34.24							
					Turlock Fruit Company Inflow	0				
		Check No. 7	39.91							
	8				Oak Flat Water District-A	35	35			
				Oak Flat Water District-B	0					
				Oak Flat Water District-C	5	5				
		Check No. 8	45.97				0			
9				Oak Flat Water District-D	0					
				Oak Flat Totals:	40	40	0	0	0	
2B		Check No. 9	51.30							
	10									
		Check No. 10	56.86							
	11									
		Check No. 11	61.40							
12				Veteran's Cemetery	1		1			
		Check No. 12	66.71		0					

TABLE 12: SOUTH BAY AQUEDUCT
DELTA FIELD DIVISION, MONTHLY DELIVERIES

(In acre-feet)

December 1995

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending					Entitle-ment	1994 Carryover M&I Ent.	Local	Rec.	Drought Bank	Oper. Flood Loss
	No.	Structure	Mile								
1	1		3.17	Granite - Vasco Rd. (Temp.)	0	1					
			3.18	Oakland Scavenger	1						
	2	Check No. 1	3.91								
2	3	Check No. 2	7.21	Zone 7 Altamont	5	5					
	4	Check No. 3	9.49	Zone 7 Patterson	243	243					
4	5	Check No. 4	10.68								
	6	Check No. 5	12.29								
	6	Check No. 6	13.55	Zone 7 Wente #1	16	16					
			14.16	Zone 7 Wente #2	0						
			14.65								
			14.78	Zone 7 Arroyo Mocho	60	60					
	7	Check No. 7	16.38								
	5	8	Deliveries through Del Valle Branch Pipeline	16.57	Zone 7 Wente #3	3	3				
				16.69	Zone 7 Norman Nursery	0					
				16.70	Zone 7 Concannon	29	29				
18.63				Del Valle Branch Pipeline Junction							
6	8	Deliveries through Del Valle Branch Pipeline		Arroyo Valle #1 & #2 Project Water	0						
				Arroyo Valle #1 & #2 Inflow Released	149	149					
7	8	La Costa Tunnel	22.50	ACWD Vallecitos - Flood Release	4	4					
			25.97	City of San Francisco San Antonio Sunol	0 0						
8	8	Mission Tunnel	28.97	ACWD - Bayside 1 & 2 Inflow Exchanged: Inflow Released:	1,725 0 0	1,725					
			35.86	Santa Clara Pipeline	S.C.V.W.D. Meter	321	321				

TABLE 13: LAKE DEL VALLE

DAILY OPERATION

December 1995

Capacity: 77,106 ac-ft

(in acre-feet except as noted)

DATE	WATER SURFACE ELEVATION (feet)	STORAGE	STORAGE CHANGE	INFLOW		OUTFLOW				PRECIP. (inches)	
				NATURAL 1/ 3/	FROM SOUTH BAY AQUEDUCT	TO ARROYO VALLE 3/	TO SOUTH BAY AQUEDUCT	RECREATION DELIVERIES 2/ 3/	EVAP.		TOTAL OUTFLOW 3/
Nov 30	683.78	27,792									
1	683.78	27,792	0		0				3		0.00
2	683.78	27,792	0		0				2		0.04
3	683.73	27,764	-28		0				2		0.00
4	683.60	27,693	-71		0				2		0.01
5	683.45	27,611	-82		0				2		0.00
6	683.27	27,513	-98		0				2		0.00
7	683.06	27,399	-114		0				1		0.00
8	682.84	27,280	-119		0				1		T
9	682.54	27,118	-162		0				2		0.00
10	682.23	26,952	-166		0				1		0.00
11	681.92	26,786	-166		0				0		0.90
12	681.71	26,675	-111		0				0		1.30
13	681.91	26,781	106		0				0		0.05
14	681.87	26,760	-21		0				0		0.23
15	681.71	26,675	-85		0				2		0.62
16	681.61	26,622	-53		0				1		0.05
17	681.45	26,538	-84		0				2		0.00
18	681.25	26,432	-106		0				0		0.28
19	681.08	26,343	-89		0				0		0.16
20	680.94	26,270	-73		0				0		0.01
21	680.76	26,176	-94		0				1		0.00
22	680.57	26,078	-98		0				1		0.63
23	680.51	26,046	-32		0				0		0.01
24	680.55	26,067	21		0				1		T
25	680.59	26,088	21		0				2		0.00
26	680.60	26,093	5		0				1		0.00
27	680.61	26,098	5		0				2		0.00
28	680.67	26,129	31		0				0		0.06
29	680.72	26,155	26		0				0		T
30	680.77	26,181	26		0				1		0.15
31	680.82	26,207	26		0				0		T
Totals			-1,585	1,038	0	1,038	1,544	9	32	2,623	4.50

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

3/ Not available on a daily basis.

NR=No Records

TABLE 14: CONSOLIDATED STATE-FEDERAL O'NEILL FOREBAY

DAILY OPERATIONS December 1995

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity: 56,430 Acre-feet

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	INFLOW (cfs)					RELEASE (cfs)				Computed Losses (-) Gains (+) (cfs)
				Pump In 1/	O'Neill Pump.	Gianelli Gen.	Calif. Aq.	B.F.Sisk San Luis Dam Spill	O'Neill Gen.	Gianelli Pump.	D.A. Pump.	Del. 2/	
Nov 30	222.25	49,049											
1	221.93	48,203	-846	0	2,909	2,411	0	1	0	1,659	3,981	3	-105
2	221.96	48,282	79	0	2,942	2,496	0	0	0	1,079	4,284	4	-31
3	218.83	40,153	-8,129	0	3,003	0	0	0	0	1,076	6,033	5	13
4	219.62	42,170	2,017	0	2,956	3,847	0	0	0	1,059	4,755	5	33
5	220.16	43,567	1,397	0	3,009	3,704	0	0	0	1,066	4,808	5	-130
6	221.67	47,519	3,952	0	2,973	3,537	0	1	0	0	4,421	5	-93
7	222.83	50,593	3,074	0	3,027	3,297	0	0	0	1,086	3,623	5	-60
8	222.66	50,139	-454	0	3,133	2,898	0	0	0	1,545	4,638	5	-72
9	220.92	45,551	-4,588	0	3,100	674	0	0	0	1,307	4,834	5	59
10	219.32	41,400	-4,151	0	3,102	0	0	0	0	0	5,066	5	-124
11	219.93	42,971	1,571	0	3,397	3,542	0	1	0	1,380	4,763	6	1
12	220.09	43,386	415	0	3,804	3,100	0	0	0	2,387	4,017	6	-285
13	220.15	43,541	155	0	3,928	2,640	0	0	0	2,552	3,768	6	-164
14	222.10	48,650	5,109	0	3,861	3,713	0	0	0	1,675	2,997	6	-320
15	223.77	53,108	4,458	0	3,806	3,415	0	0	0	2,342	2,605	6	-20
16	222.60	49,980	-3,128	0	3,783	0	0	0	0	2,479	2,790	6	-85
17	220.20	43,671	-6,309	0	3,679	2,884	0	1	0	2,453	7,113	7	-172
18	220.34	44,036	365	0	3,728	912	0	0	0	2,451	1,972	7	-26
19	220.38	44,140	104	0	3,833	1,567	0	0	0	2,547	2,668	7	-126
20	221.23	46,364	2,224	0	3,793	2,718	0	0	0	1,726	3,671	6	13
21	221.66	47,493	1,129	0	3,804	3,063	0	0	0	2,555	3,509	6	-228
22	222.47	49,634	2,141	0	3,883	2,890	0	0	0	2,565	3,142	6	19
23	221.63	47,414	-2,220	0	3,960	0	0	0	0	2,010	2,783	6	-280
24	221.09	45,996	-1,418	0	3,889	0	0	1	0	1,885	2,687	6	-27
25	222.13	48,730	2,734	0	3,814	0	0	0	0	0	2,157	6	-273
26	223.15	51,447	2,717	0	3,830	2,490	0	0	0	2,001	2,453	6	-490
27	223.41	52,142	695	0	3,868	2,466	0	0	0	3,656	2,312	6	-10
28	222.70	50,246	-1,896	0	3,912	244	0	0	0	2,257	2,493	9	-353
29	223.30	51,848	1,602	0	3,775	2,225	0	0	0	2,211	2,875	9	-97
30	222.69	50,219	-1,629	0	3,787	0	0	0	0	2,317	2,430	9	148
31	221.18	46,233	-3,986	0	3,807	0	0	1	0	3,775	1,962	6	-75
TOTAL			-2,816		110,095	60,733	0	6	0	57,101	111,610	185	-3,360
MEAN CFS			- - -		3,551	1,959	0	0	0	1,842	3,600	6	-108
ACRE-FEET			-2,816		218,375	120,462	0	13	0	113,262	221,377	367	-6,660

1/ Pump-in located at Mile 79.67R.

2/ Includes 40 AF delivered to DFG at O'Neill Forebay

TABLE 15: CONSOLIDATED STATE-FEDERAL SAN LUIS RESERVOIR

DAILY OPERATIONS

December 1995

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity: 2,027,835 ac-ft

DATE	WATER SURFACE ELEV. (in feet)	STORAGE (ac-ft)	STORAGE CHANGE (ac-ft)	INFLOW (cfs)		OUTFLOW (cfs)			COMPUTED LOSSES(-) GAINS(+) (cfs)	EVAP. (in)	PREC. (in)
				GIANELLI PUMP.	GIANELLI GEN.	PACHECO TUNNEL	B.F. SISK SAN LUIS DAM SPILL				
Nov 30	513.46	1,664,769									
1	513.29	1,662,752	-2,017	1,659	2,411	280	1	16	0.10	0.00	
2	512.99	1,659,195	-3,557	1,079	2,496	283	0	-93	0.08	0.00	
3	513.11	1,660,617	1,422	1,076	0	279	0	-80	0.05	0.00	
4	512.62	1,654,811	-5,806	1,059	3,847	277	0	138	0.15	0.00	
5	512.14	1,649,129	-5,682	1,066	3,704	256	0	29	0.09	0.00	
6	511.50	1,641,564	-7,565	0	3,537	243	1	-33	0.08	0.00	
7	511.10	1,636,842	-4,722	1,086	3,297	240	0	70	0.07	0.00	
8	510.84	1,633,776	-3,066	1,545	2,898	257	0	64	0.11	0.00	
9	510.86	1,634,011	235	1,307	674	199	0	-316	0.08	0.00	
10	510.83	1,633,658	-353	0	0	236	0	58	0.03	0.00	
11	510.49	1,629,650	-4,008	1,380	3,542	231	1	373	0.06	0.22	
12	510.41	1,628,708	-942	2,387	3,100	212	0	450	0.06	0.25	
13	510.39	1,628,472	-236	2,552	2,640	114	0	83	0.11	0.57	
14	510.07	1,624,705	-3,767	1,675	3,713	137	0	276	0.05	0.22	
15	509.90	1,622,705	-2,000	2,342	3,415	136	0	201	0.03	0.00	
16	510.22	1,626,470	3,765	2,479	0	151	0	-430	0.04	0.48	
17	510.11	1,625,176	-1,294	2,453	2,884	159	1	-61	0.06	0.00	
18	510.37	1,628,237	3,061	2,451	912	137	0	141	0.08	0.06	
19	510.52	1,630,004	1,767	2,547	1,567	49	0	-40	0.01	0.19	
20	510.39	1,628,472	-1,532	1,726	2,718	38	0	258	0.03	0.00	
21	510.25	1,626,824	-1,648	2,555	3,063	35	0	-288	0.03	0.00	
22	510.16	1,625,764	-1,060	2,565	2,890	23	0	-186	0.00	0.00	
23	510.49	1,629,650	3,886	2,010	0	12	0	-39	0.00	0.10	
24	510.75	1,632,714	3,064	1,885	0	83	1	-256	0.02	0.01	
25	510.75	1,632,714	0	0	0	149	0	149	0.02	0.00	
26	510.64	1,631,418	-1,296	2,001	2,490	155	0	-9	0.08	0.00	
27	510.75	1,632,714	1,296	3,656	2,466	167	0	-370	0.06	0.00	
28	511.05	1,636,252	3,538	2,257	244	174	0	-55	0.06	0.00	
29	511.04	1,636,134	-118	2,211	2,225	216	0	171	0.03	0.00	
30	511.36	1,639,911	3,777	2,317	0	320	0	-93	0.01	0.06	
31	511.95	1,646,882	6,971	3,775	0	320	1	60	0.01	0.01	
TOTAL			-17,887	57,101	60,733	5,568	6	188	1.69	2.17	
MEAN CFS			---	1,842	1,959	180	0	6	---	---	
ACRE-FEET			-17,887	113,262	120,462	11,047	13	373	---	---	

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 9,656 AF, San Benito: 1,391 AF

2/ The Year End Total for Parks and Recreation = 13 AF; It has been included in this month for clarity.

TABLE 16: SAN LUIS FIELD DIVISION PLANT DATA

(in acre-feet)

December 1995

DATE	DOS AMIGOS		WILLIAM R. GIANELLI				SAN FELIPE
	PUMPING PLANT		PUMPING-GENERATING PLANT				PROJECT
	TOTAL PUMPING	SWP PUMPING 1/, 2/	TOTAL GENERATION	SWP GENERATION 1/, 2/	TOTAL PUMPING	SWP PUMPING 1/, 2/	FEDERAL
1	7,897	5,245	4,782	4,782	3,291	-63	556
2	8,497	5,842	4,951	4,951	2,141	19	561
3	11,967	9,373	0	0	2,135	20	553
4	9,431	6,807	7,630	7,630	2,100	10	550
5	9,537	6,914	7,347	7,347	2,115	14	508
6	8,770	5,553	7,015	7,015	0	0	482
7	7,186	3,915	6,540	6,540	2,155	17	476
8	9,199	5,971	5,749	5,749	3,064	-16	509
9	9,588	6,290	1,336	1,336	2,592	21	394
10	10,048	6,799	0	0	0	0	468
11	9,448	6,265	7,025	7,025	2,737	-4	459
12	7,968	4,811	6,149	6,149	4,735	-60	421
13	7,474	4,315	5,236	5,236	5,062	-32	227
14	5,945	2,788	7,364	7,364	3,322	-32	272
15	5,167	1,890	6,774	6,774	4,646	939	269
16	5,533	2,306	0	0	4,918	73	299
17	14,108	10,865	5,721	5,721	4,866	70	315
18	3,912	1,253	1,809	1,809	4,862	-26	272
19	5,292	2,604	3,109	3,109	5,052	-34	98
20	7,282	4,074	5,391	5,391	3,423	-14	76
21	6,960	4,306	6,075	6,075	5,068	-33	69
22	6,232	3,538	5,732	5,732	5,087	0	45
23	5,520	2,861	0	0	3,987	4	24
24	5,329	2,164	0	0	3,738	122	164
25	4,279	1,590	0	0	0	0	296
26	4,866	1,865	4,939	4,939	3,968	36	308
27	4,585	2,671	4,892	4,892	7,252	-106	332
28	4,944	2,928	483	483	4,477	7	345
29	5,702	3,696	4,413	4,413	4,386	-71	429
30	4,820	2,902	0	0	4,595	-14	635
31	3,891	1,950	0	0	7,488	150	635
TOTAL	221,377	134,351	120,462	120,462	113,262	997	11,047

1/ Negative values in SWP columns indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

TABLE 17: CONSOLIDATED STATE-FEDERAL LOS BANOS RESERVOIR

DAILY OPERATIONS

December 1995

United States
 Department of the Interior
 Bureau of Reclamation
 Central Valley Project

State of California
 The Resources Agency
 Department of Water Resources
 State Water Project

Capacity: 34,560 ac-ft

DATE	WATER SURFACE ELEVATION (in feet)	STORAGE (ac-ft)	STORAGE CHANGE (ac-ft)	ESTIMATED INFLOW (cfs)	ESTIMATED OUTFLOW (cfs)		COMPUTED LOSSES (-) GAINS (+) (ac-ft)	EVAP. (in.)	PREC. (in.)
					SPILL	OUTLET			
Nov 30	326.99	20,197							
1	326.99	20,197	0	0	0	0	0	0.09	0.00
2	326.98	20,193	-4	0	0	0	-4	0.03	0.00
3	326.98	20,193	0	0	0	0	0	0.06	0.00
4	326.98	20,193	0	0	0	0	0	0.11	0.00
5	326.98	20,193	0	0	0	0	0	0.09	0.00
6	326.98	20,193	0	0	0	0	0	0.07	0.00
7	326.98	20,193	0	0	0	0	0	0.06	0.00
8	326.97	20,188	-5	0	0	0	-5	0.08	0.00
9	326.96	20,183	-5	0	0	0	-5	0.05	0.00
10	326.97	20,188	5	3	0	0	-1	0.04	0.00
11	326.99	20,197	9	5	0	0	-1	0.07	0.19
12	327.02	20,211	14	7	0	0	0	0.03	0.22
13	327.04	20,220	9	5	0	0	-1	0.06	0.22
14	327.03	20,216	-4	0	0	0	-4	0.03	0.15
15	327.07	20,234	18	9	0	0	0	0.02	0.00
16	327.06	20,230	-4	0	0	0	-4	0.05	0.60
17	327.07	20,234	4	2	0	0	0	0.15	0.00
18	327.07	20,234	0	0	0	0	0	0.07	0.12
19	327.07	20,234	0	0	0	0	0	0.01	0.05
20	327.07	20,234	0	0	0	0	0	0.03	Tr
21	327.05	20,225	-9	0	0	0	-9	0.02	Tr
22	327.09	20,244	19	10	0	0	-1	0.02	0.02
23	327.09	20,244	0	0	0	0	0	0.00	0.27
24	327.08	20,239	-5	0	0	0	-5	0.05	0.03
25	327.08	20,239	0	0	0	0	0	0.01	0.00
26	327.08	20,239	0	0	0	0	0	0.10	0.00
27	327.08	20,239	0	0	0	0	0	0.06	0.00
28	327.08	20,239	0	0	0	0	0	0.05	0.00
29	327.08	20,239	0	0	0	0	0	0.04	0.00
30	327.09	20,244	5	3	0	0	-1	0.02	0.07
31	327.09	20,244	0	0	0	0	0	0.02	0.02
TOTAL			47	44	0	0	-40	1.59	1.96
MEAN CFS			---	1	0	---	---	---	---
ACRE-FEET			47	87	0	---	-40	---	---

TABLE 18: CONSOLIDATED STATE-FEDERAL LITTLE PANOCHES RESERVOIR

DAILY OPERATIONS

December 1995

United States
 Department of the Interior
 Bureau of Reclamation
 Central Valley Project

State of California
 The Resources Agency
 Department of Water Resources
 State Water Project

Capacity = 5,580 ac-ft

DATE	ELEVATION (in feet)	STORAGE (ac-ft)	STORAGE CHANGE (ac-ft)	ESTIMATED INFLOW (cfs)	ESTIMATED OUTFLOW (cfs)		COMPUTED LOSSES (-) GAINS (+) (ac-ft)
					SPILL	OUTLET	
		1/	1/				1/
Nov 30	601.30	752					
1	Not Observed			3	0		2
2	Not Observed				0		2
3	Not Observed				0		2
4	Not Observed				0		1
5	Not Observed			3	0		2
6	Not Observed				0		1
7	Not Observed				0		2
8	601.35	755	3	3	0		1
9	Not Observed				0		2
10	Not Observed				0		1
11	601.35	755	0		0		2
12	601.40	758	3	5	0		1
13	601.30	752	-6		0		2
14	601.35	755	3	5	0		2
15	601.35	755			0		2
16	Not Observed				0		2
17	601.30	752	-3		0		2
18	Not Observed				0		2
19	Not Observed				0		2
20	Not Observed				0		2
21	Not Observed				0		2
22	601.35	755	3		0		2
23	Not Observed				0		2
24	Not Observed				0		2
25	Not Observed				0		2
26	Not Observed				0		2
27	Not Observed				0		2
28	Not Observed				0		2
29	Not Observed				0		2
30	Not Observed				0		2
31	601.35	755	0		0		2
TOTAL			3	19	0	57	---
MEAN CFS			---	4	0	2	---
ACRE-FEET			3	38	0	112	77

1/ Not available on a daily basis

TABLE 19a: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT
 SAN LUIS FIELD DIVISION, MONTHLY DELIVERIES

(In acre-feet)

December 1995

Reach No.	Operating Pool			Turnout	Total Diver- sions	Deliveries			
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation
	No.	Structure							
3	13	O'Neill Forebay Outlet Check No. 13	70.85	Department of Fish & Game	40			22	18
			70.91 Thru 85.08	San Luis Water District	327	327			
				SLWD Reach 3 Subtotal:	327	327	0	0	0
		Dos Amigos PP	86.73		221,377				
4	14		89.03 Thru 94.06	San Luis Water District	1,188	1,188			
			89.66 Thru 89.67	Pacheco Water District	700	700			
			89.68	Panoche Water District	3	3			
			89.70	City of Dos Palos	67	67			
		Check No. 14	95.06						
		15			98.15 Thru 104.20	San Luis Water District	269	269	
				96.15 Thru 102.64	Panoche Water District	3,410	3,410		
				102.64	Broadview Water District	2	2		
				105.22 Thru 108.64	Westlands Water District	7,275	7,275		
	Check No. 15		108.50						
				Pacheco Water District Total:	700	700	0	0	0
				Broadview Water District Total:	2	2	0	0	0
				City of Dos Palos Total:	67	67	0	0	0
				SLWD Reach 4 Subtotal:	1,457	1,457	0	0	0
				Panoche Water District Total:	3,413	3,413	0	0	0
				SLWD Total:	1,784	1,784	0	0	0
				Westlands WD Reach 4 Subtotal:	7,275	7,275	0	0	0

TABLE 19b: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT

SAN LUIS FIELD DIVISION, MONTHLY DELIVERIES (Continued)

(In acre-feet)

December 1995

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries			
	Beginning and Ending					USBR	Transfer	DWR Recreation	USBR Recreation
	No.	Structure	Mile						
5	16		110.52 Thru 122.05	Westlands Water District	13,209	13,209			
		Check No. 16	122.07						
	17		124.18 Thru 132.74	Westlands Water District	8,827	8,827			
		Check No. 17	132.95						
	18		133.81 Thru 142.61	Westlands Water District	6,317	6,317			
		Pleasant Valley PP	143.16	Westlands Water District	4,468				
			143.16	City of Coalinga	198				
		Check No. 18	143.23						
				Westlands WD Reach 5 Subtotal:	32,821	32,821	0	0	0
	6	19		145.26 Thru 151.19	Westlands Water District	12,403	12,403		
Check No. 19			155.64						
				Westlands WD Reach 6 Subtotal:	12,403	12,403	0	0	0
7	20		156.34	City of Huron	51	8,608			
			156.40 Thru 163.69	Westlands Water District	8,608				
		Check No. 20	164.69						
			164.79	City of Avenal	156				
	21		167.04 Thru 171.67	Westlands Water District	1,304	1,304			
		Check No. 21	172.40		151,396				
					Westlands WD Reach 7 Subtotal:				
				Westlands WD Total:	62,411	62,411	0	0	0
			City of Coalinga Total:	198	198	0	0	0	
			City of Huron Total:	51	51	0	0	0	
			City of Avenal Total:	156	156	0	0	0	
			Total Canal Diversions:	68,822	68,782	0	22	18	

**TABLE 20: CONSOLIDATED STATE-FEDERAL SAN LUIS CANAL 1/
DAILY OPERATIONS
December 1995**

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

DATE	STORAGE IN CANAL	STORAGE CHANGE	INFLOW (cfs)		OUTFLOW (cfs)				COMPUTED LOSSES(-) GAINS(+) (cfs)	EVAP. (in)	PREC. (in)
			NON- PROJECT 2/	DOS AMIGOS PUMPING	SLWD 3/	PWD	WWD 4/	SJFD			
Nov 30	26,953										
1	27,235	282	0	3,981	37	107	1,091	2,445	-159	0.10	0.00
2	26,951	-284	0	4,284	38	107	1,072	3,075	-135	0.08	Tr
3	27,753	802	0	6,033	23	86	1,142	4,273	-105	0.05	0.00
4	28,228	475	0	4,755	40	80	1,230	3,047	-118	0.15	Tr
5	28,768	540	0	4,808	46	74	1,293	3,010	-112	0.09	0.00
6	27,867	-901	0	4,421	49	78	1,327	3,319	-102	0.08	0.00
7	26,820	-1,047	0	3,623	50	73	1,341	2,616	-71	0.07	0.00
8	26,357	-463	0	4,638	48	78	1,340	3,366	-40	0.11	Tr
9	27,189	832	0	4,834	41	66	1,365	3,608	666	0.08	0.00
10	27,950	761	0	5,066	43	57	1,385	2,257	-940	0.03	0.00
11	28,326	376	0	4,763	40	88	1,466	3,220	240	0.06	0.22
12	28,433	107	0	4,017	48	49	1,120	2,744	-2	0.06	0.25
13	28,983	550	0	3,768	44	50	1,137	2,282	22	0.11	0.57
14	28,183	-800	0	2,997	42	48	1,097	2,202	-11	0.05	0.22
15	27,386	-797	0	2,605	46	49	1,106	1,878	73	0.03	0.00
16	27,773	387	0	2,790	40	52	1,038	1,418	-47	0.04	0.48
17	29,824	2,051	0	7,113	48	41	961	4,787	-241	0.06	Tr
18	29,499	-325	0	1,972	28	48	1,222	1,056	218	0.08	0.06
19	27,994	-1,505	0	2,668	28	51	845	2,435	-68	0.01	0.19
20	28,634	640	0	3,671	21	49	832	2,350	-96	0.03	Tr
21	28,735	101	0	3,509	21	58	940	2,470	31	0.03	Tr
22	29,188	453	0	3,142	21	40	942	2,042	131	0.00	Tr
23	29,560	372	0	2,783	27	37	763	2,015	247	0.00	0.10
24	29,513	-47	0	2,687	28	33	605	2,378	333	0.02	0.01
25	29,573	60	0	2,157	28	33	584	1,912	430	0.02	Tr
26	29,598	25	0	2,453	21	31	597	1,879	88	0.08	0.00
27	29,413	-185	0	2,312	31	23	648	1,596	-107	0.06	0.00
28	28,821	-592	0	2,493	34	39	822	1,893	-3	0.06	0.00
29	29,139	318	0	2,875	36	41	823	1,843	28	0.03	0.00
30	29,622	483	0	2,430	39	31	774	1,443	101	0.01	0.06
31	29,450	-172	0	1,962	35	24	762	1,467	239	0.01	0.01
TOTAL		2,497	0	111,610	1,121	1,721	31,670	76,328	489	1.69	2.17
MEAN CFS		- - -	0	3,727	36	58	1,047	2,556	16	- - -	- - -
ACRE-FEET		2,497	0	221,377	2,224	3,413	62,818	151,396	971	- - -	- - -

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Pump In of Non-Project Water (0) and Flood Water(0).

3/ Includes 699 AF AG & 1 AF M&I to Pacheco W.D. and 67 AF to the City of Dos Palos.

4/ Includes 51 AF to the City of Huron, 156 AF to the City of Avenal, 198 AF to the City of Coalinga, and 2 AF to Broadview W.D.

TABLE 21: SAN JOAQUIN FIELD DIVISION PLANT DATA

(in acre-feet)

December 1995

DATE	COASTAL AQUEDUCT		CALIFORNIA AQUEDUCT			
	LAS PERILLAS	BADGER HILL	BUENA VISTA	JOHN R. TEERINK	IRA J. CHRISMAN	A.D. EDMONSTON
1	194	193	1,576	1,587	1,532	1,558
2	159	157	1,522	1,466	1,446	1,483
3	108	122	3,091	3,043	2,937	2,803
4	164	175	1,840	1,562	1,539	1,548
5	206	214	1,524	1,544	1,374	1,338
6	256	275	1,606	1,537	1,512	1,521
7	202	211	1,213	1,340	1,349	1,294
8	113	113	1,577	1,374	1,287	1,292
9	85	96	1,333	1,074	1,010	1,040
10	86	88	706	745	667	715
11	118	121	1,205	925	900	863
12	134	138	891	953	868	909
13	105	114	635	315	284	266
14	110	111	238	257	233	277
15	98	103	265	228	228	253
16	78	85	106	58	26	28
17	85	85	3,731	3,251	3,218	3,216
18	90	85	266	234	151	167
19	123	128	79	87	77	26
20	77	85	635	292	231	249
21	65	65	341	289	228	237
22	67	67	183	90	51	27
23	66	69	635	350	339	304
24	62	62	1,360	1,349	1,301	1,314
25	85	85	892	829	776	714
26	112	121	267	263	228	222
27	85	85	53	0	0	0
28	115	122	294	292	225	210
29	78	85	635	87	0	0
30	112	112	56	32	49	0
31	85	85	635	697	615	665
TOTAL	3,523	3,657	29,390	26,150	24,681	24,539

TABLE 22a: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT
 SAN JOAQUIN FIELD DIVISION, MONTHLY DELIVERIES

(In acre-feet)

December 1995

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending					Entitle-ment	Transfer	Interup-table Ent.	USBR	Drought Bank	
	No.	Structure	Mile								
8C	21	Check No. 21	172.40		151,396						
	22		172.66	Empire West Side Irrig. Dist. TL - A	651	651					
				Kings County TL - A	400	400					
Tulare Lake Basin WSD TL - A				15,518	15,518						
8D			180.65	DRWD - SD	20	20					
				DRWD - 1A	62	62					
				Dudley Ridge Water Dist. DRWD - 2	590	590					
				TLB WSD TL - B	24,316	24,316					
				TLB WSD TL - A	2	2					
31A			184.63	Coastal Branch	3,523						
8D			184.78	Dudley Ridge Water Dist. DRWD - 3	618	618					
				Dudley Ridge Total:	1,290	1,290	0	0	0	0	
				Tulare Lake Basin WSD Total:	39,836	39,836	0	0	0	0	
				Check No. 22	184.82						
9	23		189.69	Kern County Water Agency Lost Hills Water Dist. - 1	1,503	1,503					
				Kern County Water Agency Lost Hills Water Dist. - 2	87	87					
				Kern County Water Agency Lost Hills Water Dist. - 3	868	868					
				Kern County Water Agency Berrenda Mesa - 2	0						
				Kern County Water Agency Lost Hills Water Dist. - 4	644	644					
				K.C.W.A. Reach 9 Subtotal:	3,102	3,102	0	0	0	0	
			197.05	Check No. 23			0				
10A	24		201.24	Kern County Water Agency Lost Hills Water Dist. - 7	636	636					
				Kern County Water Agency Lost Hills Water Dist. - 5	2,158	2,158		0			
				Kern County Water Agency Lost Hills Water Dist. - 6	0						
				Kern County Water Agency Lost Hills Water Dist. - 8	39	39					
				Check No. 24	207.94						
	25			209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	301	301				
					Kern National Wildlife Refuge USBR BV-1B	1,309				1,309	
Kern County Water Agency Buena Vista WSD 1B					2,675	2,675					
KCWA Semitropic WSD					0						
			209.80	KCWA Semitropic WSD Penstocks	3,352	3,352					
				USBR Total:	1,309	0	0	0	1,309	0	
				K.C.W.A. Reach 10A Subtotal:	9,161	9,161	0	0	0	0	

TABLE 22b: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT

SAN JOAQUIN FIELD DIVISION, MONTHLY DELIVERIES (Continued)

(In acre-feet)

December 1995

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries													
	Beginning and Ending					Entitle-ment	1994 Ent. CY-OV	Interup-table Ent.	Trans.	To Kern Co. WA	Pump Back								
	No.	Structure	Mile																
11B	25		210.75	Kern County Water Agency Belridge - 2	0	8													
			214.11	Kern County Water Agency Belridge - 3	8														
			216.62	Kern County Water Agency Belridge - 4	0														
			217.13	Kern County Water Agency Belridge - 5	1,070														
				Kern County Water Agency Belridge - 5D	96														
			K.C.W.A. Reach 11B Subtotal:									1,174	1,174	0	0	0	0	0	
			Check No. 25		217.79														
12D	26		219.58	Kern County Water Agency Belridge - 6	0														
			Check No. 26		224.92														
12E	27		230.37	Kern County Water Agency Buena Vista - 6	0	43,577													
			Check No. 27		231.73														
	28		235.75	Kern County Water Agency Buena Vista - 2	0														
			238.04	K.C.W.A. C.V.C.	43,577														
				Kern-Tulare W.D. Tulare Co.	0														
				Lower Tule River Fresno Co.	0														
				Pixley ID	0														
				Hacienda DWR Wells	0														
			CVC Subtotal:									0	0	0	0	0	0		
	K.C.W.A. Reach 12E Subtotal:				43,577							43,577	0	0	0	0			
Check No. 28		238.11				0													
13B	29		241.02	Kern River Intertie		5,632	0												
			242.85	KCWA Buena Vista WSD - 7	5,632														
				KCWA Buena Vista WSD - 5	2,378														
			243.09	Kern County Water Agency Buena Vista - 3	4,784														
	Check No. 29		244.54	Buena Vista WSD	0	4,784													
	30		249.85	Kern County Water Agency Buena Vista - 4	2,789	2,789													
K.C.W.A. Reach 13B Subtotal:				15,583	15,583	0	0	0	0										
Buena Vista PP			250.99		29,390														
14A	31		254.47	Kern County Water Agency West Kern - 2	3	3													
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	19							19							

TABLE 22c: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT

SAN JOAQUIN FIELD DIVISION, MONTHLY DELIVERIES (Continued)

(In acre-feet)

December 1995

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending					Entitle-ment	1994 Ent. CY-OV	Interup-table Ent.	Transfer	Pump-back	1994 Water Bank
	No.	Structure	Mile								
14A	31	Check No. 31	256.14								
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	41	41					
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	279	279					
				K.C.W.A. Reach 14A Subtotal:	342	342	0	0	0	0	0
14B		Check No. 32	261.72								
	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	794	794					
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	182	182					
		Check No. 33	267.36								
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	952	952					
				Reach 14B Total:	1,928	1,928	0	0	0	0	
14C	35		271.27								
			272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	548	548					
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	854	854					
				Reach 14C Total:	1,402	1,402	0	0	0	0	
15A	36	John R. Teerink PP	278.13		26,150						
			279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	2	2					
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	577	577					
				Reach 15-A Total:	579	579	0	0	0	0	0
16A	37	Ira J. Chrisman PP	280.36		24,681						
			282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0		0				
		Check No. 37	283.95								
	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	0		0				
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	3	3					
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0						
			287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	0						
		Check No. 38	287.09								
	39	Check No. 39	290.21								
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	392	392					
		293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	2	2						
			Kern County Water Agency TC-15	4	4						
			K.C.W.A. Reach 16A Subtotal:	401	401	0	0	0	0	0	
	A.D. Edmonston PP	293.45		24,539							

TABLE 23: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT

SAN JOAQUIN FIELD DIVISION, MONTHLY DELIVERIES (COASTAL BRANCH)

(In acre-feet)

December 1995

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries											
	Beginning and Ending					Entitle-ment	1994 Ent. CY-OV	Interup-table Ent.	Trans.	Pump-back	1994 Water Bank						
	No.	Structure	Mile														
31A	C-1	Coastal Branch Control	0.02		3,523	1,061											
		Las Perillas PP	1.16		3,523												
	C-2		3.79	Green Valley Water District	0												
		Badger Hill PP	4.27		3,657												
	C-3																
		Coastal Check No. 3	7.21														
	C-4		9.34	Castaic Lake W.A. (Devil's Den W.D. #1)	1,061												
		Coastal Check No. 4	9.34														
	C-5	Coastal Check No. 5	12.20														
			13.30	Kern County Water Agency Berrenda Mesa - 3	147												
			14.83	Kern County Water Agency Berrenda Mesa - DD	0												
				Kern County Water Agency Berrenda Mesa - PO	1,997												
				K.C.W.A. Reach 31A Subtotal:	2,144							2,144	0	0	0	0	0
				K.C.W.A. Total:	79,393							79,393	0	0	0	0	0
						0											
						0											

TABLE 24: SOUTHERN FIELD DIVISION PLANT DATA

(in acre-feet)

December 1995

DATE	WEST BRANCH					EAST BRANCH			
	OSO PUMPING	WILLIAM E. WARNE GENERATION	CASTAIC			ALAMO		PEAR- BLOSSOM PUMPING	DEVIL CANYON GENERATION
			GENERATION		PUMPBACK				
			TOTAL	SWP 1/		BYPASS	GENERATION		
1	0	0	810	0	2,288	0	1,571	1,298	1,100
2	0	0	1,603	0	2,417	2	1,448	1,273	1,425
3	402	0	2,386	0	3,004	0	2,359	2,220	1,421
4	3	0	2,048	0	2,133	0	1,565	1,342	1,292
5	0	0	1,581	0	950	0	1,304	1,237	1,213
6	0	0	2,771	0	1,904	0	1,545	1,305	1,217
7	0	1,499	4,887	1,284	2	0	1,263	1,203	1,218
8	0	1,156	2,308	1,284	1,848	0	1,300	1,203	1,163
9	213	826	2,907	1,284	1,607	0	701	1,041	866
10	150	0	2,643	1,285	3,099	0	634	555	530
11	169	0	634	0	2,119	0	629	555	479
12	268	0	2,227	0	974	0	671	278	213
13	0	0	2,538	0	3,481	0	231	161	158
14	0	0	771	0	1,963	0	311	162	223
15	0	0	1,911	0	0	0	241	162	150
16	0	0	963	0	0	0	0	0	147
17	2,134	0	1,108	0	1,793	0	1,098	671	135
18	155	0	736	0	1,085	0	0	0	158
19	0	0	1,450	0	2,028	0	67	0	175
20	0	0	2,618	0	1,108	57	246	162	166
21	137	0	1,222	0	1,123	0	0	162	169
22	0	0	773	0	1,121	0	47	0	143
23	0	0	1,165	0	1,261	0	279	162	128
24	412	0	1,585	0	1,775	0	883	764	118
25	0	0	957	0	1,725	0	723	486	115
26	0	0	839	0	1,794	0	217	185	120
27	0	0	786	0	0	0	0	0	129
28	0	0	466	0	0	0	240	139	133
29	0	0	425	0	0	0	0	0	125
30	0	0	646	0	19	0	0	69	128
31	0	0	752	0	1,384	0	666	555	128
TOTAL	4,043	3,481	48,516	5,137	44,005	59	20,239	17,350	14,885

1/ Scheduled amounts of water credited to SWP in Elderberry Forebay, subject to change.

TABLE 25: PYRAMID LAKE

DAILY OPERATION

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

December 1995

DATE	WATER SURFACE ELEVATION (in feet)	STORAGE	STORAGE CHANGE	INFLOW			OUTFLOW			COMPUTED LOSSES (-) GAINS (+)
				PROJECT		NATURAL	PROJECT		NATURAL	
				Castaic Powerplant Pumpback	William E. Warne Powerplant	Stream Flow	Castaic Powerplant Generation	Deliveries	Stream Flow Release	
Nov 30	2573.44	164,081								
1	2574.59	165,536	1,455	2,288	0	35	810	0	99	41
2	2575.31	166,451	915	2,417	0	35	1,603	0	99	165
3	2575.72	166,974	523	3,004	0	35	2,386	0	99	-31
4	2575.81	167,089	115	2,133	0	35	2,048	0	99	94
5	2575.33	166,477	-612	950	0	35	1,581	0	99	83
6	2574.67	165,638	-839	1,904	0	37	2,771	0	99	90
7	2571.84	162,070	-3,568	2	1,499	37	4,887	0	99	-120
8	2572.37	162,734	664	1,848	1,156	37	2,308	0	99	30
9	2571.97	162,233	-501	1,607	826	37	2,907	0	111	47
10	2572.30	162,647	414	3,099	0	37	2,643	0	119	40
11	2573.46	164,106	1,459	2,119	0	37	634	0	119	56
12	2572.36	162,722	-1,384	974	0	38	2,227	0	119	-50
13	2573.02	163,551	829	3,481	0	43	2,538	0	119	-38
14	2574.06	164,864	1,313	1,963	0	44	771	0	119	196
15	2572.67	163,111	-1,753	0	0	44	1,911	0	119	233
16	2571.80	162,020	-1,091	0	0	47	963	0	119	-56
17	2572.39	162,760	740	1,793	0	43	1,108	0	119	131
18	2572.55	162,960	200	1,085	0	40	736	0	145	-44
19	2572.98	163,501	541	2,028	0	40	1,450	0	148	71
20	2571.57	161,733	-1,768	1,108	0	40	2,618	0	148	-150
21	2571.43	161,558	-175	1,123	0	40	1,222	0	149	33
22	2571.65	161,833	275	1,121	0	40	773	0	149	36
23	2571.66	161,845	12	1,261	0	59	1,165	0	149	6
24	2571.82	162,045	200	1,775	0	46	1,585	0	149	113
25	2572.34	162,697	652	1,725	0	45	957	0	149	-12
26	2573.20	163,778	1,081	1,794	0	45	839	0	149	230
27	2572.50	162,898	-880	0	0	43	786	0	149	12
28	2572.06	162,346	-552	0	0	45	466	0	149	18
29	2571.66	161,845	-501	0	0	46	425	0	149	27
30	2571.09	161,133	-712	19	0	46	646	0	149	18
31	2571.52	161,670	537	1,384	0	47	752	0	149	7
TOTAL			-2,411	44,005	3,481	1,278	48,516	0	3,935	1,276

TABLE 26: ELDERBERRY FOREBAY

DAILY OPERATION

Capacity: 32,746 ac-ft

(in acre-feet except as noted)

December 1995

DATE	WATER SURFACE ELEVATION (in feet)	STORAGE	STORAGE CHANGE	INFLOW		OUTFLOW			COMPUTED LOSSES (-) GAINS (+)
				CASTAIC POWERPLANT GENERATION	NATURAL STREAM INFLOW	CASTAIC POWER PLANT PUMPBACK	TO CASTAIC LAKE		
							Natural	Project	
Nov 30	1517.87	22,341							
1	1514.14	20,812	-1,529	810	1	2,288	1	0	-51
2	1511.68	19,836	-976	1,603	1	2,417	1	0	-162
3	1510.06	19,207	-629	2,386	1	3,004	1	0	-11
4	1509.56	19,016	-191	2,048	1	2,133	1	0	-106
5	1511.05	19,591	575	1,581	1	950	1	0	-56
6	1513.04	20,374	783	2,771	1	1,904	1	0	-84
7	1520.20	23,326	2,952	4,887	2	2	2	1,903	-30
8	1513.70	20,636	-2,690	2,308	2	1,848	2	3,121	-29
9	1516.64	21,832	1,196	2,907	2	1,607	2	0	-104
10	1515.47	21,351	-481	2,643	2	3,099	2	0	-25
11	1511.54	19,782	-1,569	634	2	2,119	2	0	-84
12	1514.94	21,136	1,354	2,227	2	974	2	0	101
13	1512.49	20,155	-981	2,538	5	3,481	5	0	-38
14	1509.17	18,867	-1,288	771	5	1,963	5	0	-96
15	1513.40	20,517	1,650	1,911	4	0	4	0	-261
16	1515.66	21,429	912	963	4	0	4	0	-51
17	1513.89	20,711	-718	1,108	4	1,793	4	0	-33
18	1512.84	20,294	-417	736	4	1,085	4	0	-68
19	1511.31	19,692	-602	1,450	3	2,028	3	0	-24
20	1515.36	21,307	1,615	2,618	4	1,108	4	0	105
21	1515.53	21,376	69	1,222	4	1,123	4	0	-30
22	1514.58	20,999	-377	773	4	1,121	4	0	-29
23	1514.25	20,857	-142	1,165	4	1,261	4	0	-46
24	1513.57	20,584	-273	1,585	5	1,775	5	0	-83
25	1511.36	19,712	-872	957	5	1,725	5	0	-104
26	1508.67	18,677	-1,035	839	5	1,794	5	0	-80
27	1510.55	19,397	720	786	5	0	5	0	-66
28	1511.61	19,809	412	466	4	0	4	0	-54
29	1512.56	20,183	374	425	4	0	4	0	-51
30	1513.99	20,751	568	646	3	19	3	0	-59
31	1512.51	20,163	-588	752	3	1,384	3	0	44
TOTAL			-2,178	48,516	97	44,005	97	5,024	-1,665

TABLE 27: CASTAIC LAKE

DAILY OPERATION

Capacity: 323,699 ac-ft

(in acre-feet except as noted)

December 1995

DATE	WATER SURFACE ELEVATION (in feet)	STORAGE	STORAGE CHANGE	INFLOW			OUTFLOW		COMPUTED LOSSES (-) GAINS (+)
				FROM ELDERBERRY FOREBAY		NATURAL STREAM FLOW	PROJECT DELIVERIES	RELEASED TO CASTAIC LAGOON	
				Natural	Project				
Nov 30	1492.79	276,275							
1	1492.43	275,543	-732	1	0	5	689	40	-9
2	1492.07	274,812	-731	1	0	5	655	69	-13
3	1491.67	274,000	-812	1	0	5	749	69	0
4	1491.16	272,968	-1,032	1	0	5	946	69	-23
5	1490.68	271,999	-969	1	0	5	991	69	85
6	1490.14	270,911	-1,088	1	0	5	981	69	-44
7	1490.53	271,696	785	2	1,903	5	1,087	35	-3
8	1491.63	273,919	2,223	2	3,121	5	978	0	73
9	1491.19	273,029	-890	2	0	5	897	0	0
10	1490.83	272,302	-727	2	0	5	758	0	24
11	1490.56	271,757	-545	2	0	5	551	0	-1
12	1490.42	271,475	-282	2	0	6	401	0	111
13	1490.30	271,233	-242	5	0	30	352	0	75
14	1490.13	270,891	-342	5	0	12	327	0	-32
15	1489.99	270,611	-280	4	0	9	293	0	0
16	1489.82	270,269	-342	4	0	8	284	0	-70
17	1489.67	269,967	-302	4	0	8	340	0	26
18	1489.45	269,525	-442	4	0	8	422	0	-32
19	1489.30	269,223	-302	3	0	8	247	0	-66
20	1489.12	268,862	-361	4	0	8	393	0	20
21	1488.93	268,480	-382	4	0	8	365	0	-29
22	1488.74	268,099	-381	4	0	8	372	0	-21
23	1488.57	267,759	-340	4	0	13	344	0	-13
24	1488.38	267,378	-381	5	0	13	344	0	-55
25	1488.22	267,058	-320	5	0	11	338	0	2
26	1488.05	266,718	-340	5	0	11	345	0	-11
27	1487.88	266,379	-339	5	0	11	390	0	35
28	1487.69	265,999	-380	4	0	10	371	0	-23
29	1487.51	265,640	-359	4	0	10	363	0	-10
30	1487.33	265,281	-359	3	0	11	375	0	2
31	1487.10	264,823	-458	3	0	11	375	0	-97
TOTAL			-11,452	97	5,024	269	16,323	420	-99

TABLE 28: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT

SOUTHERN FIELD DIVISION, MONTHLY DELIVERIES (WEST BRANCH)

(In acre-feet)

December 1995

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending					Entitle-ment	Rec.	1994 CA - OV Ent.	Local In	14 B M & I	
	No.	Structure	Mile								
29A	42	Oso PP	1.49		4,043						
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved						
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub						
29G		Warne GP	14.07		3,481						
29H	W3	Pyramid Lake		Calif. State Park Pyramid Recreation	0						
		Pyramid Dam	17.10	Piru Creek Fish Enhancement	0						
29J	W4	Castaic P-G P	25.82		48,516						
		Elderberry Forebay									
30 1/	W5	Castaic Lake	31.47	Calif. State Park Castaic Lake Recreation	10		10				
		Castaic Lake Outlet	31.55	MWD - 78"	8,486		7,486				
				MWD - 132"	7,284		7,284				
				CLWA - 1T	457		457				
				Castaic Lake Water Agency	86		86				
				Ventura County Flood Control District	Stub						
L. A. County Parks & Recreation	0										
Reach 30 Subtotal:					16,323	15,313	10	0	0	1,000	
	W6	Castaic Lagoon		Recreation to Lagoon	44		44				
		Castaic Lagoon Outlet	31.87		420		0				
							0				

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

TABLE 29: SILVERWOOD LAKE

DAILY OPERATION

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

December 1995

Date	Water Surface Elev. (in feet)	Storage	Storage Change	INFLOW		OUTFLOW					Computed Losses (-) Gains (+)	LAS FLORES RANCH EXCH. 2/
				Project	Natural Stream Inflow	PROJECT			Del. To Mojave W.A.	Natural To Mojave River		
						Delivered to CLAWA	Rec.	San Bernardino Tunnel 1/				
Nov 30	3311.34	38,757										
1	3311.08	38,579	-178	1,031	2	4	0	1,100	0	0	-107	0
2	3310.42	38,128	-451	982	2	5	0	1,425	0	0	-5	0
3	3311.45	38,832	704	1,983	2	4	0	1,421	0	0	144	0
4	3311.62	38,949	117	1,430	2	5	0	1,292	0	0	-18	0
5	3311.39	38,791	-158	1,014	2	5	1	1,213	1	0	46	0
6	3311.37	38,777	-14	1,206	2	3	0	1,217	0	0	-2	0
7	3311.42	38,812	35	1,148	2	3	0	1,218	0	0	106	0
8	3311.41	38,805	-7	1,182	2	3	0	1,163	0	0	-25	0
9	3311.59	38,929	124	988	2	4	0	866	0	0	4	0
10	3311.43	38,819	-110	438	2	2	0	530	1	0	-17	0
11	3311.53	38,887	68	553	2	2	0	479	0	0	-6	0
12	3311.55	38,901	14	123	2	2	0	213	0	0	104	0
13	3311.62	38,949	48	141	2	2	0	158	0	0	65	4
14	3311.59	38,929	-20	236	8	2	0	223	0	0	-39	6
15	3311.46	38,839	-90	87	9	2	0	150	1	0	-33	6
16	3311.43	38,819	-20	75	4	3	0	147	0	0	51	6
17	3311.67	38,984	165	315	3	3	0	135	0	0	-15	5
18	3311.54	38,894	-90	81	3	3	0	158	0	0	-13	5
19	3311.42	38,812	-82	91	3	4	0	175	0	0	3	5
20	3311.35	38,764	-48	139	3	2	0	166	1	0	-21	5
21	3311.18	38,647	-117	97	3	6	1	169	0	0	-41	5
22	3310.98	38,510	-137	83	3	5	0	143	0	0	-75	5
23	3311.01	38,531	21	85	4	2	0	128	0	0	62	6
24	3311.40	38,798	267	325	4	0	0	215	0	0	153	5
25	3311.60	38,935	137	262	4	0	0	215	1	0	87	5
26	3311.73	39,025	90	198	4	0	0	220	0	0	108	4
27	3311.60	38,935	-90	48	4	3	0	229	0	0	90	4
28	3311.54	38,894	-41	106	4	5	0	233	0	0	87	4
29	3311.40	38,798	-96	45	4	4	0	225	1	0	85	3
30	3311.22	38,675	-123	43	4	1	0	228	0	0	59	3
31	3311.66	38,977	302	355	4	0	0	228	1	0	172	2
TOTAL			220	14,890	100	89	2	15,682	7	0	1,010	88

1/ The last seven days of San Bernardino Tunnel flow includes a 797 acre-feet adjustment to compensate for inaccurate meter readings at Devil Canyon.

2/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

TABLE 30: LAKE PERRIS**DAILY OPERATION**

Capacity: 131,452 ac-ft

(in acre-feet except as noted)

December 1995

DATE	WATER SURFACE ELEVATION (in feet)	STORAGE	STORAGE CHANGE	INFLOW	OUTFLOW	COMPUTED LOSSES (-) GAINS (+) 1/
				PROJECT 1/ 2/	DELIVERIES	
Nov 30	1583.67	117,065				
1	1583.61	116,931	-134	0	137	3
2	1583.52	116,731	-200	0	161	-39
3	1583.45	116,576	-155	0	144	-11
4	1583.37	116,398	-178	0	176	-2
5	1583.28	116,199	-199	0	204	5
6	1583.18	115,977	-222	0	205	-17
7	1582.75	115,026	-951	0	204	-747
8	1582.66	114,827	-199	0	189	-10
9	1582.61	114,717	-110	0	104	-6
10	1582.54	114,562	-155	0	130	-25
11	1582.49	114,452	-110	0	127	17
12	1582.42	114,298	-154	0	106	-48
13	1582.34	114,122	-176	0	106	-70
14	1582.28	113,990	-132	0	111	-21
15	1582.24	113,902	-88	0	95	7
16	1582.17	113,748	-154	0	87	-67
17	1582.12	113,638	-110	0	87	-23
18	1582.04	113,462	-176	0	99	-77
19	1581.98	113,330	-132	0	137	5
20	1581.94	113,242	-88	0	84	-4
21	1581.86	113,066	-176	0	134	-42
22	1581.79	112,913	-153	0	129	-24
23	1581.74	112,803	-110	0	100	-10
24	1581.67	112,650	-153	0	122	-31
25	1581.61	112,518	-132	0	80	-52
26	1581.55	112,387	-131	0	80	-51
27	1581.50	112,277	-110	0	87	-23
28	1581.46	112,189	-88	0	102	14
29	1581.41	112,080	-109	0	112	3
30	1581.37	111,993	-87	0	160	73
31	1581.32	111,883	-110	0	86	-24
TOTAL			-5,182	0	3,885	-1,297

1/ Readings are not taken on a daily basis. End of month only.

2/ Lake Perris inflow is an estimate resulting from inaccurate meter readings at Devil Canyon.

TABLE 31a: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT

SOUTHERN FIELD DIVISION, MONTHLY DELIVERIES (EAST BRANCH)

(In acre-feet)

December 1995

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries				
	Beginning and Ending					Entitle-ment	1994 CA - OV Ent.	Trans-fer 1/	Local In	1994 Water Bank
	No.	Structure	Mile							
17E		A.D. Edmonston PP	293.45		24,539					
			298.65	Kern County Water Agency Tej.-Cas	Stub					
17F	41	Check No. 41	303.41							
18A	42	Check No. 42	304.99							
19	43	Check No. 43	309.70			4	504	0	0	0
	44		311.84	LADWP Connection	0					
			313.50	AVEK 245th Street West	0					
		Check No. 44	314.81							
	45		314.93	Antelope Valley-East Kern WA 235th Street West	4					
			Check No. 45	319.74						
	46		323.19	Antelope Valley-East Kern WA Fairmont	504					
			Check No. 46	323.84						
			Reach 19 Total:	508	508	0	0	0	0	
20A	47	Check No. 47	326.77			29	1,300	43		
	48		326.91	Antelope Valley-East Kern WA Willow Springs Siphon	29					
			329.65	Antelope Valley-East Kern WA 120th Street West	Re-moved					
		Check No. 48	330.82							
	49	Check No. 49	335.93							
50		336.73	AVEK WA - Quartz hill (Wheeled for Palmdale WD)	25						
			Antelope Valley-East Kern WA	1,343						
		Check No. 50	341.51							
20B	51	Check No. 51	342.07			582	0	0		
	52		342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use					
			Check No. 52	343.74						
	53		346.98	PWD Palmdale	582					
		348.14	Antelope Valley-East Kern WA Acton Treatment Plant	0						
		Check No. 53	348.17							
21	54	Check No. 54	350.25							
	55	Check No. 55	352.70							
	56		Check No. 56	354.76						
			354.97	Littlerock Creek I.D.	0					
22A	57	Check No. 57	356.93			192				
	58		357.72	Antelope Valley-East Kern WA 96th Street East	0					
			359.82	Antelope Valley-East Kern WA East Side Treatment Plant	192					

1/ Transferred from Mojave Water Agency to A.V.E.K.

TABLE 31b: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT

SOUTHERN FIELD DIVISION, MONTHLY DELIVERIES (EAST BRANCH, Continued)

(In acre-feet)

December 1995

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending					Entitlement	CLWA 1T	Rec.	Local In	Local Out	14 B M & I
	No.	Structure	Mile								
22B		Pearblossom PP	360.61		17,350	1,333					
	58										
	59	Check No. 59	366.09								
	60	Check No. 60	373.94								
	61	Check No. 61	379.00								
	62	Check No. 62	384.26								
	63	Check No. 63	389.50								
	64	Check No. 64	395.10								
23	66		401.10	Mojave Water Agency Morongo 24" and 42"	1,333						
				Mojave Water Agency Hesperia	0						
		Check No. 66	403.41								
23		Mojave Siphon	405.48	Las Flores Ranch	88					88	
24	67	Silverwood Lake	407.65	Crestline Lake Arrowhead Water Agency	89					89	
				Calif. State Park Silverwood Agency (Rec.)	2						
		San Bernardino Tunnel	411.46		14,890						
25				San Gorgonio Pass Water Agency	0						
		Devil Canyon GP	412.73		14,890						
26A	68	Devil Canyon Afterbay Control Structures	412.88	MWD-SC Rialto	9,498	8,498					1,000
				Desert Water Agency (MWD Wheeling Exchange)	2,883	2,883					
				San Gabriel Valley Water District	644	644					
				Coachella Valley W.D. (MWD Wheeling Exchange)	1,925	1,925	0				
				San Bernardino Valley Metropolitan Water Dist.	66	66	0				
				MWD (SBVMWD Exchange)	0						
28G	69	Santa Ana Valley Pipeline	425.46								
28H			433.06	MWD-SC Box Springs	0						
			440.05	MWD-SC Perris Bypass Pipeline	319	319					
28J		Lake Perris	443.44	MWD-SC 18"	0						
				MWD-SC 54"	335	335					
				MWD-SC 78"	3,224	3,224					
				Calif. State Park Lake Perris Recreation	7			7			
				MWD Total:	33,954	31,954	0	0	0	0	2,000

TABLE 32: WATER QUALITY AT SELECTED SWP LOCATIONS

December 1995

CONSTITUENT	UNITS	THERMALITO AFTERBAY AT OUTLET	NORTH BAY AQUEDUCT BARKER SL. P.P.	HARVEY O. BANKS DELTA P.P.	DELTA MENDOTA CANAL AT McCABE RD	GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT				DEVIL CANYON AFTERBAY NEAR SAN BERNARDINO
						O'NEILL FB	KETTLEMAN	NEAR	TEHACHAPI	
						OUTLET (CHECK 13)	CITY (CHECK 21)	HWY 119 (CHECK 29)	AFTERBAY (CHECK 41)	
ALKALINITY	mg/l	31	86	55	98	74	73	74	73	68
ARSENIC	mg/l	<0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
BORON	mg/l	<0.1	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2
BROMIDE	mg/l	NR	0.06	0.09	0.28	0.18	NR	NR	0.18	0.13
CALCIUM	mg/l	7	16	14	35	24	22	22	23	19
CARBON- TOTAL ORGANIC	mg/l	NR	13	3	5	4	NR	NR	3	3
CHLORIDE	mg/l	1	49	30	91	63	62	67	59	44
CHROMIUM	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
COPPER	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
FLUORIDE	mg/l	<0.1	0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
HARDNESS	mg/l	30	114	68	162	114	105	109	108	90
IRON	mg/l	0.014	0.086	0.008	0.022	0.030	0.035	0.006	0.008	<0.005
LEAD	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MAGNESIUM	mg/l	3	18	8	18	13	12	13	12	10
MANGANESE	mg/l	<0.005	0.030	<0.005	0.010	0.012	0.008	<0.005	<0.005	<0.005
NITRATE +NITRITE	mg/l	0.04	0.80	0.69	NR	NR	NR	NR	0.84	0.48
PHOSPHORUS-ORTHO	mg/l	<0.01	0.30	0.08	NR	NR	NR	NR	0.09	0.08
PHOSPHORUS- TOTAL	mg/l	0.01	0.41	0.10	NR	NR	NR	NR	0.12	0.12
SELENIUM	mg/l	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
SODIUM	mg/l	3	44	26	80	53	48	51	46	36
SPECIFIC CONDUCTANCE	µS/cm	72	438	264	713	499	456	477	448	364
SULFATE	mg/l	2	48	22	94	57	44	45	43	34
TOTAL DISSOLVED SOLIDS	mg/l	50	264	151	419	287	262	270	251	215
TRICHALOMETHANE FORMATION POTENTIAL	µg/l	NR	1779	283	553	459	NR	NR	369	361
ZINC	mg/l	<0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

TABLE 33: WATER QUALITY AT SELECTED DELTA STATIONS

December 1995

DATE	TIDES		FLOW IN CFS			ELECTRICAL CONDUCTIVITY in milliSiemens								Cl in mg/l		
	(ANTIOCH) DAILY MEAN		NET DELTA OUTFLOW INDEX		RIO VISTA	ANTIOCH	CHIPPS ISLAND			JERSEY POINT		CLIFTON COURT	CACHE SLOUGH	CONTRA COSTA CANAL INTAKE	DELTA MENDOTA CANAL	
	HI	HALF	md	30dm	md	md	md	28dm	md	14dm	md	14dm	md	md	md	md
1	2.74	0.63	10458	9844	7272	0.892	n/r	n/r	n/r	0.31	0.23	0.23	0.46	123.97	21	52.50
2	2.98	0.79	10173	10034	7604	1.010	n/r	n/r	n/r	0.31	0.23	0.23	0.43	124.59	18	61.05
3	3.03	0.88	9759	10227	7376	0.840	n/r	n/r	n/r	0.31	0.24	0.23	0.47	124.4	20	61.59
4	2.98	0.88	9287	10396	7033	1.072	n/r	n/r	n/r	0.31	0.24	0.23	0.41	112.56	20	63.57
5	2.99	0.87	9619	10410	7328	1.026	n/r	n/r	0.29	0.31	0.25	0.23	0.46	107.16	20	64.57
6	2.87	0.87	10188	10358	7729	0.730	n/r	n/r	0.31	0.30	0.24	0.23	0.47	107.5	23	67.13
7	n/r	n/r	9710	10313	7729	n/r	n/r	n/r	0.29	0.29	0.24	0.23	0.46	102.24	23	67.58
8	2.86	n/r	9821	10294	7385	0.850	n/r	n/r	0.33	0.29	0.24	0.23	0.45	97.48	23	65.68
9	2.91	1.25	15315	10352	11641	0.940	n/r	n/r	0.33	0.30	0.24	0.23	0.44	55.4	22	68.58
10	n/r	n/r	27232	10983	13176	n/r	n/r	n/r	0.52	0.33	0.49	0.25	0.40	n/r	23	64.22
11	3.05	1.55	42163	12023	16217	0.710	n/r	n/r	0.23	0.32	0.25	0.26	0.48	n/r	20	70.88
12	2.53	0.88	55616	13519	23650	0.582	n/r	n/r	0.21	0.31	0.23	0.26	0.53	n/r	24	n/r
13	2.77	0.93	65814	15335	21272	0.456	n/r	n/r	0.20	0.30	0.22	0.26	0.48	n/r	24	78.43
14	2.65	0.71	64925	16768	21272	0.330	n/r	n/r	0.18	0.29	0.22	0.25	0.52	n/r	25	69.87
15	2.90	0.76	53606	18146	21272	0.320	n/r	n/r	0.15	0.28	0.22	0.25	0.51	n/r	24	71.95
16	2.65	0.71	52249	19975	41184	0.267	n/r	n/r	0.15	0.27	0.21	0.25	0.46	n/r	26	67.65
17	3.49	1.10	49227	21127	42020	0.239	n/r	n/r	0.15	0.26	0.21	0.25	0.49	95.14	36	56.74
18	3.75	1.24	45349	22414	39516	0.227	n/r	n/r	0.15	0.25	0.21	0.25	0.49	96.4	38	70.52
19	3.65	1.16	40780	23425	35421	0.218	n/r	n/r	0.15	0.24	0.20	0.24	0.52	99.89	36	73.11
20	3.67	1.15	36600	24285	31699	0.206	n/r	n/r	0.15	0.23	0.20	0.24	0.52	103.79	36	75.79
21	3.52	1.14	31158	24962	29370	0.197	n/r	n/r	0.16	0.22	0.20	0.24	0.53	115.24	39	77.72
22	3.16	1.00	26950	25501	27000	0.198	n/r	n/r	0.18	0.21	0.20	0.23	0.55	122.14	41	80.85
23	2.92	0.72	24295	25960	24647	0.198	n/r	n/r	0.19	0.20	0.19	0.23	0.56	123.66	39	81.81
24	2.58	0.93	22404	26398	22296	0.196	n/r	n/r	0.19	0.17	0.19	0.21	0.56	133.81	40	81.68
25	2.63	0.92	20994	26756	20996	0.197	n/r	n/r	0.19	0.17	0.19	0.21	0.55	136.52	41	82.29
26	2.71	0.71	20258	27100	20317	n/r	0.27	n/r	n/r	0.17	n/r	0.21	0.56	n/r	42	n/r
27	2.68	0.65	19470	27419	22532	0.200	0.29	n/r	0.19	0.17	0.19	0.20	0.53	140.63	35	80.66
28	2.87	0.73	18951	27730	21139	0.203	0.41	n/r	0.19	0.17	0.21	0.20	0.53	135.58	30	76.25
29	2.93	0.70	18021	28008	21057	0.204	0.49	n/r	0.19	0.17	0.21	0.20	0.43	123.72	34	74.06
30	n/r	n/r	20264	28355	23159	0.207	0.38	n/r	0.19	0.17	0.21	0.20	0.53	124.44	32	79.54
31	3.07	0.91	31934	29071	25287	0.200	0.49	n/r	0.19	0.18	0.21	0.20	0.51	129	33	78

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

n/r = No Record.

s = Balanced water conditions with storage withdrawals.

b = Balanced water conditions with no storage withdrawals.

**TABLE 34: PESTICIDES, HERBICIDES, AND OTHER ORGANIC
SUBSTANCES DETECTED IN THE SWP**

Water Quality

December 1995

SAMPLING LOCATION 1/	SAMPLE DATE	CHEMICAL DETECTED	CONCENTRATION µg/l 2/
NORTH BAY AQUEDUCT AT BARKER SLOUGH PUMPING PLANT	September 20, 1995	None Detected	
CALIFORNIA AQUEDUCT AT HARVEY O. BANKS PUMPING PLANT	September 20, 1995	2,4,-D	0.20
ONEILL FOREBAY AT DISCHARGE OF ONEILL PUMPING/GENERATING PLANT	September 20, 1995	Dacthal	0.03
CALIFORNIA AQUEDUCT NEAR KETTLEMAN CITY (CHECK 21)	September 19, 1995	2,4, -D Dacthal Chlorpyrifos	0.20 0.02 0.02
CALIFORNIA AQUEDUCT AT TEHACHAPI AFTERBAY (CHECK 41)	September 20, 1995	2,4, -D Dacthal Chlorpyrifos	0.10 0.02 0.19
DEVIL CANYON POWER PLANT AT ENTRANCE TO SANTA ANA PIPELINE	September 20, 1995	Dacthal Chlorpyrifos	0.02 0.03

1/ These locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

TABLE 35: OROVILLE AND DELTA FIELD DIVISIONS ENERGY DATA

(in kWh)

December 1995

DATE	OROVILLE THERMALITO COMPLEX		BARKER SLOUGH LOAD	CORDELIA LOAD	BANKS TOTAL LOAD 1/	BANKS SWP LOAD 1/	SOUTH BAY LOAD	DEL VALLE LOAD
	Generation	Load						
1	3,777,408	1,228,608	6,258	10,248	16,704	16,704	142,744	165
2	1,774,656	1,327,104	6,328	10,248	142,656	142,656	94,032	174
3	1,787,040	1,930,176	8,764	15,134	204,288	204,288	27,992	183
4	3,051,648	0	10,654	14,476	17,088	17,088	560	181
5	3,966,912	0	12,593	18,130	1,344	1,344	552	198
6	4,041,216	288	10,325	13,321	0	0	536	217
7	4,011,552	576	9,373	15,519	0	0	536	199
8	4,500,864	0	9,548	12,684	0	0	40,216	213
9	4,753,152	1,728	12,663	18,214	0	0	28,976	185
10	5,625,504	0	9,989	15,596	0	0	544	185
11	5,858,496	3,168	9,541	13,328	0	0	568	189
12	11,488,320	3,744	9,793	12,943	0	0	552	189
13	14,522,976	0	10,605	17,416	0	0	536	294
14	12,436,416	0	9,716	13,125	0	0	536	189
15	12,786,336	0	8,127	14,567	0	0	568	189
16	7,990,272	0	9,226	12,306	0	0	608	189
17	9,543,744	0	8,099	14,224	0	0	592	189
18	13,384,800	0	11,802	14,007	4,032	4,032	14,200	226
19	14,174,496	0	11,277	16,877	13,536	13,536	16,968	210
20	14,291,136	0	9,520	13,510	16,128	16,128	7,048	215
21	12,612,960	0	10,899	14,819	17,568	17,568	13,264	208
22	12,269,376	2,592	10,465	15,694	19,008	19,008	41,952	234
23	6,629,760	2,592	9,597	13,167	17,280	17,280	60,144	210
24	4,033,152	288	11,928	17,850	18,144	18,144	96,048	210
25	2,966,688	0	9,954	13,181	16,704	16,704	77,336	209
26	9,644,256	0	10,332	13,174	17,568	17,568	97,504	200
27	9,517,824	0	11,578	17,563	18,432	18,432	96,016	194
28	8,589,888	0	9,667	13,195	16,992	16,992	97,640	197
29	8,903,808	576	9,681	13,188	169,056	169,056	100,032	197
30	2,981,664	576	9,772	15,568	122,400	122,400	90,080	194
31	1,744,416	1,587,744	9,562	14,203	157,536	157,536	97,584	199
TOTAL	233,660,736	6,089,760	307,636	447,475	1,006,464	1,006,464	1,246,464	6,231

1/ See the Highlights section of this report for an explanation of the days with no load.

TABLE 36: SAN LUIS FIELD DIVISION ENERGY DATA

(in kWh)

December 1995

DATE	DOS AMIGOS PUMPING PLANT		WILLIAM R. GIANELLI PUMPING-GENERATING PLANT			
	TOTAL LOAD	SWP LOAD 1/	TOTAL GENERATION	SWP GENERATION 1/	TOTAL LOAD	SWP LOAD
1	1,053,936	699,936	1,166,976	1,166,976	1,174,176	-13,824
2	1,132,848	778,848	1,246,464	1,246,464	759,168	17,168
3	1,633,248	1,279,248	0	0	766,656	24,656
4	1,272,240	918,240	1,910,880	1,910,880	754,848	12,848
5	1,287,072	933,072	1,832,256	1,832,256	757,728	15,728
6	1,185,984	750,984	1,743,264	1,743,264	15,840	15,840
7	955,584	520,584	1,610,784	1,610,784	760,896	18,896
8	1,239,696	804,696	1,410,336	1,410,336	1,070,784	6,784
9	1,264,464	829,464	325,152	325,152	916,992	20,992
10	1,345,392	910,392	0	0	21,888	21,888
11	1,291,248	856,248	1,722,240	1,722,240	979,488	7,488
12	1,098,000	663,000	1,515,744	1,515,744	1,764,576	-11,424
13	1,029,024	594,024	1,298,016	1,298,016	1,772,640	-7,360
14	819,216	384,216	1,802,880	1,802,880	1,176,768	-1,232
15	673,200	246,200	1,620,576	1,620,576	1,639,008	337,008
16	745,776	310,776	0	0	1,711,872	37,872
17	1,892,304	1,457,304	1,414,656	1,414,656	1,703,520	29,520
18	534,096	171,096	446,688	446,688	1,715,904	-3,096
19	714,528	351,528	771,840	771,840	1,774,656	-7,344
20	987,408	552,408	1,344,672	1,344,672	1,208,736	6,736
21	952,128	589,128	1,495,296	1,495,296	1,774,944	-7,056
22	839,664	476,664	1,490,976	1,490,976	1,785,024	3,024
23	753,696	390,696	0	0	1,406,592	20,592
24	732,384	297,384	0	0	1,315,008	43,008
25	606,240	225,240	0	0	29,952	29,952
26	676,080	259,080	1,207,296	1,207,296	1,407,168	21,168
27	639,504	372,504	1,203,264	1,203,264	2,570,976	-33,024
28	654,912	387,912	115,488	115,488	1,575,360	23,360
29	758,880	491,880	1,083,168	1,083,168	1,559,520	-10,480
30	670,896	403,896	0	0	1,611,648	13,648
31	535,104	268,104	0	0	2,596,032	52,032
TOTAL	29,974,752	18,174,752	29,778,912	29,778,912	40,078,368	685,368

1/ Negative values in SWP columns indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

TABLE 37: SAN JOAQUIN FIELD DIVISION ENERGY DATA

(in kWh)

December 1995

DATE	PLANT LOAD					
	LAS PERILLAS	BADGER HILL	BUENA VISTA	JOHN R. TEERINK	IRA J. CHRISMAN	A.D. EDMONSTON
1	14,704	38,240	386,784	423,864	975,744	3,560,400
2	11,610	27,504	370,728	397,296	899,712	3,385,440
3	8,094	20,968	752,616	800,712	1,817,280	6,359,040
4	11,690	29,472	450,936	414,792	983,232	3,525,120
5	15,374	36,008	371,232	414,000	891,360	3,037,680
6	19,532	50,816	390,168	417,528	946,944	3,396,960
7	14,378	36,848	296,712	359,640	806,112	2,889,360
8	8,254	19,440	375,912	369,288	831,456	2,890,080
9	6,486	16,656	326,088	289,728	639,072	2,360,880
10	6,576	15,392	175,464	204,408	462,528	1,638,000
11	8,682	21,048	303,696	254,448	581,760	1,987,920
12	9,760	23,528	222,480	260,280	571,968	2,091,600
13	7,788	19,816	158,904	90,720	208,800	646,560
14	8,146	19,256	64,584	76,032	180,000	653,760
15	7,306	17,800	71,352	77,616	176,832	595,440
16	6,100	14,880	33,120	23,112	40,608	103,680
17	6,564	14,856	911,808	873,648	1,982,592	7,223,760
18	6,972	14,896	71,928	70,056	125,280	410,400
19	9,046	21,784	27,432	30,816	75,456	107,280
20	6,038	14,896	159,624	86,040	177,984	599,040
21	5,282	11,472	89,424	86,328	175,680	586,800
22	5,166	11,200	52,200	31,896	57,888	106,560
23	5,302	12,216	160,560	104,256	241,056	709,200
24	5,102	11,104	334,368	362,664	807,840	2,980,080
25	6,522	14,888	220,752	226,368	498,528	1,631,520
26	8,304	20,600	72,432	77,688	175,968	527,760
27	6,604	14,936	21,096	8,712	23,904	46,800
28	8,508	21,008	79,056	86,400	173,664	526,320
29	6,080	14,968	161,136	31,392	23,904	47,520
30	8,314	19,232	20,808	15,696	55,584	48,240
31	6,612	14,760	160,416	191,520	431,136	1,488,960
TOTAL	264,896	640,488	7,293,816	7,156,944	16,039,872	56,162,160

TABLE 38: SOUTHERN FIELD DIVISION ENERGY DATA

(in kWh)

December 1995

DATE	WEST BRANCH			EAST BRANCH		
	OSO LOAD	WILLIAM E. WARNE GENERATION	CASTAIC SWP GENERATION	ALAMO GENERATION	PEARBLOSSOM LOAD	DEVIL CANYON GENERATION
1	7,280	0	0	185,668	890,100	1,333,632
2	7,560	0	0	171,080	871,200	1,719,840
3	112,560	0	0	290,332	1,499,844	1,714,752
4	9,464	0	0	186,592	909,684	1,572,576
5	7,560	0	0	153,804	851,172	1,467,552
6	7,168	0	0	182,476	894,564	1,456,800
7	7,112	946,368	1,272,000	147,336	824,724	1,478,400
8	7,056	732,384	1,272,000	150,976	827,208	1,470,720
9	63,840	520,128	1,264,000	79,072	717,720	983,232
10	45,808	0	1,224,000	65,492	391,656	645,312
11	57,456	0	0	67,396	390,888	583,872
12	78,120	0	0	69,804	202,548	242,304
13	6,944	0	0	27,160	140,928	170,400
14	9,912	0	0	27,160	124,992	250,560
15	12,040	0	0	23,044	125,412	159,168
16	11,648	0	0	0	16,128	151,488
17	580,328	0	0	121,968	474,036	140,832
18	52,584	0	0	168	16,452	168,864
19	9,632	0	0	4,872	17,148	189,216
20	9,912	0	0	25,396	126,228	180,768
21	42,224	0	0	0	126,564	180,672
22	9,912	0	0	3,752	17,868	150,432
23	10,136	0	0	27,608	129,456	127,776
24	117,432	0	0	99,288	539,496	115,872
25	10,248	0	0	80,556	348,456	110,496
26	11,592	0	0	23,212	144,024	117,888
27	13,048	0	0	0	18,816	129,408
28	13,048	0	0	21,000	112,656	136,992
29	13,104	0	0	0	17,844	124,896
30	11,984	0	0	0	62,292	126,816
31	12,376	0	0	63,084	394,536	129,312
TOTAL	1,369,088	2,198,880	5,032,000	2,298,296	12,224,640	17,530,848